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NOVEMBER 1892.

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OUR 29<sup>TH</sup> YEAR.

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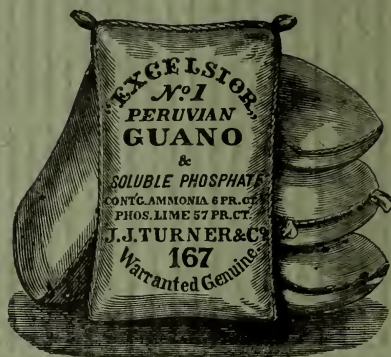
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Agriculture; Horticulture, Live Stock and Rural Economy.

Vol. XXIX. BALTIMORE, November 1892. No. II.

## OUR FARM-YARD.

BY CLARA M. HOWARD.

My pets all gathered about me  
As I came over thro' the farm-yard just now.  
There was Nubbin, a beautiful Holstein,  
And Cherry, the little red cow.  
There was Daisy, youngest among them,  
And old Mollie, the best of the lot,  
With Star, and Blucher, and Bridget,  
While Jersey must not be forgot.  
The pigs for their supper are squealing,  
And here comes the red and white calf,  
Frisking about in the sunshine;  
At its gambols one can but laugh.  
There's Bess, the bay colt, and her mother,  
Old Sally—a fine, handsome pair—  
Come cantering t'wards me,  
With Beauty, the big fiery mare.  
The old sheep, Tibbie and Topsy,  
Are eager to share in the store  
Of yellow corn in my basket,  
While chicks are feasting galore,  
All chattering, cackling about me;  
Their voices I seem well to know,  
From Jim, the saucy black rooster,  
To old Brahma, as white as the snow.  
There's Spot, the black and white kitten,  
And Rip, the tortoise-shell cat,  
And Job, and Gipsy, and Ginger,  
All waiting a word and a pat.  
Do I love them? Of course! what a question!  
See how their loving eyes shine!  
I'd not lose, for the wealth of a kingdom.  
The love of these dumb friends of mine!



## THE FARMER'S DAUGHTER.

BY JOHN GREEN.

Author of *Our New Farm*.

ONE MORNING Mrs. Green came into the dining room where I was busy with my accounts and said:  
 \* "Daughter will have to have a new suit this month, so you must put that down."

I said:

"Oh yes—that will be put in of course."

Now, I did not for a moment question the propriety of this. The mother knew what was right in this particular and I went on the general rule that whatever she said in reference to the daughter's clothing was all right.

When the daughter is large enough and old enough to be of material help about the house, she has gained a position which should always be recognized in the family as a self sustaining one. She earns all she is likely to need and all that is likely to be given her.

Then I said to Mrs. Green:

"Daughter has been working pretty hard the past season and now that the crops are mostly marketed, should we not get her something nice which she does not expect at all."

She answered me:

"Daughter would like to have lessons in music this winter."

This opened quite a discussion, the conclusion of which was that a farmer's daughter should have just as good an education as any other daughter; and is more entitled to the ornamental branches than those who never think of helping their parents in the real work of life.

It is very true that there are particular phases of practice which she must acquire, relating to the duties that grow out of her home surroundings and a knowledge of which adds largely to her comfort, and her success, and her happiness. But every other occupation brings its peculiar claims just as the farm life brings them to her.

So I said to my wife:

"By all means let her have lessons in music, then. It will not only be a benefit to her; but it will benefit all of us. I may not be able to buy a piano this winter; but I can hire one in Baltimore of Mr. Stieff with a privilege of buying, and I will do this."

And wife said:

"Daughter will just be delighted. I think she will not care even for her new suit, if she knows she can have a piano and lessons."

But I replied to this:

"No, no! Our daughter should be dressed as well as any other young lady in the same circumstances as ourselves. She will then act at her ease and always feel herself at home wherever she chances to be; and she certainly has the right to this much. This is one of the rights of the farmer's daughter which I think is not enough considered in the present day."

This conversation set me to thinking very seriously on the position, privileges, education and earned rights of farmer's daughters.

The daughter, as soon as she is old



enough to be of any use to her mother is too often put into hard work, and both father and mother take it as a matter of course. The work, too, is long continued until it becomes the meanest drudgery. Even her education in the ordinary rudiments is sometimes neglected; and as for the finer feminine occupations which are cultivated in cities, they are virtually tabooed.

This is all wrong. Her education should of course be a practical one in the work of the house and what the farm provides for the home; but this should not interfere with the English studies and feminine accomplishments.

She should have such opportunity for recreation and should enjoy all the pleasures which are possible in the associations of the country where she happens to be located. She should enjoy, also, the benefit of young associates and the influence of young life. Her own influence will widen and deepen in the neighborhood, if she attempts to make the most of her young neighbors. Every farmer and every farmer's wife should cultivate this disposition towards the daughter, with this idea as one of their strongest motives.

All work is a hardship to be avoided; but if work is joined with numerous occasions of social gatherings and the pleasures they afford, the work becomes light and more is done and it is done all the better.

Here is the great benefit of church privileges and opportunities in the country. This social element is of much more value than any other part of the services. The daughter should be encouraged to take her share in whatever is projected, and to join the young peo-

ple in such festivities, and be supplied with what means may be necessary, that she may be at ease in their midst.

I hinted, in my conversation, a little on the subject of dress. Farmers are too apt to think this of no account. I have even found myself at times making little of it, in my thought. But no daughter can show what stuff she is made of, if she feels that she is shabbily provided with clothes, while those about her, with less resources perhaps, are better clad. The influence of being well dressed should be given her.

All these things contribute to the real independence and happiness of the daughter. By independence I do not mean any desire to escape the necessary work and obligations which belong to the household. It is the daughter's privilege, as well as duty, to give her share of attention to the household work; and this share will surely be large as she gains in years and strength. The work of a farm house is no sinecure; but a willing mind and a loving heart between parent and daughter make the work a pleasure for both.

Additions should be made to the home and its surroundings for the daughter's sake; such as may come in the furniture, the adornments and the little luxuries one is always able to gather as time rolls on. Giving her the liberty of improving her talents and cultivating her taste is a boon she will not fail to appreciate. As she sees that certain things are done to gratify her wishes, the true heart is stirred within her, and her work is done with a hearty good will that tells volumes to the on-looker.

I have been convinced that when the daughter wants flowers, music, pictures,

books, magazines and the like, it is best in every way that she should be supplied with them as far as the money will permit. For money is sought to bring us happiness; and in what possible way can it bring more happiness than in doing this?

And what a place does the daughter always fill in the farmer's home! Think of this; and think, also, what a vacant place there would be in both home and heart, if death should come to her. The true daughter is too precious for any words of mine to convey an adequate idea of her value.

The true daughter in the farmer's home—How much does this express: She is the mother's right hand and clear eye. She sees what is most needed, and stands ever ready to save steps, save work, save anxiety and care of the mother. She brings into it the elements of sunlight with the young life and associates that are hers. Her voice is music and music only adds to her charms. Her thoughts are of flowers, and flowers but add beauty to her graces. Heaven's choicest gift to the home is the true farmer's daughter, and no farmer can do too much for the perfection of her life.

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For The Maryland Farmer.

### COUNTY FAIRS.

#### Hagerstown.

The Washington Co. Fair was among the best in the State this fall. The exhibits were very numerous, and each department was full.

In the Stock department, the cattle were largely in the lead as to numbers; but horses were not far behind. Then

came hogs and sheep. The quality was fine, and the list of premium winners was extensive.

The exhibition of poultry was very large—almost sufficient for an entire show in itself, and many excellent specimens were shown.

The household exhibits in the main building were up to the standard; and the vegetables and produce made a fair show in a building of their own.

The attendance was all that could be desired; thousands from the surrounding country took advantage of the delightful weather and whole families enjoyed the gathering.

The usual amount of side shows put in their appearance.

We give some first premiums:

Horses.—Rahouser & Bro., J. N. Ripple, Luther Ropp, A. M. Christie, Dr. J. T. Harris, J. M. Frey, and others.

Cattle.—Thos. Boak & Son, Jno. O. Magie & Son, Samuel Blunt, W. H. Jones & Son, W. G. Snook, S. W. Anderson, H. H. Hine & Son.

#### Frederick.

The weather for this week was delightful and the throng of visitors was without a parallel. Thousands joined in the festivities of the occasion, and made of the fair a holiday season.

The exhibits were numerous and of extra quality. The Jerseys, Shorthorns, Holsteins and Ayrshires were worthy of first premiums; and the horses were suitable for Rosa Bonheur's Horse Fair.

The Ladies department was No. 1, and they fairly outdid themselves in beautiful handiwork.

An extra fine exhibit was that made by the schools of the county—a feature

which should be made prominent in all our county fairs.

#### Bel Air.

While not as large as on some previous years, this Fair gave a fine exhibit of stock, vegetables and fruits. The Fallston Farmer's Club took an active part in bringing out the farm produce.

The attendance was good.

At all these Fairs which were held on the same day, the enthusiasm was not as strong as it would have been, had they been held in separate weeks.

The races were as numerous and as well patronized as usual. The usual amount of noise and excitement was experienced—and the usual amount of betting.

A few first premiums may be mentioned:

For Horses.—R. C. Richardson, R. W. Holland, A. M. Fulford, Grant Stockham, W. F. & G. A. Hays.

For Cattle.—McCormick Bros., W. F. & G. A. Hays, J. W. Richardson, R. W. Holland, Abel D. Wilson, A. M. Fulford.

The displays of sheep and swine were very good and that of poultry was extra large.

Agricultural Implement display was better than for years past.

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For The Maryland Farmer.

#### PRUNING GRAPE VINES.

I have found a large number of growers of grapes who seem much opposed to the methods of pruning vines after they come into bearing as recommended in the books. They do not grow them in vineyards; but merely on arbors in their

gardens, and they declare that when trimmed to the extent demanded in the books, the yield is generally very little, compared with those trimmed but little.

Such persons point to the vine which has almost covered some old apple tree and is loaded with fine bunches, while the adjoining vines severely trained on wires have barely a showing of fruit.

This has been brought to my mind so often of late, that my faith begins to be shaken as to the benefit of cutting down to single eyes on the canes, and pinching off after the fifth leaf as recommended so constantly in the books and papers.

I cannot realize that so many good writers who profess to be growing after their method can be in error, and yet in my own case I find those vines which have been allowed a large amount of room, and to run almost wild, with little or no attention, have given by far the greatest amount of grapes both in bunches and weight.

Of several vines in my yard, I find two Brighton Grapes, which were cut back to the full extent demanded by science, made an enormous amount of wood for two seasons back, and gave only half a dozen small bunches of grapes. While Moore's Early, which was allowed to have its own sweet way, was loaded with delicious fruit.

Has not this direction to such excessive cutting back grown out of the fact that the room was lacking, or the soil unsuitable, or some other unfavorable condition existed which required it, and when it was found the grape would give a reasonable crop under this treatment, it was recommended.

I am not a scientific grower of any kind of produce, Mr. Editor, but I know



the fact that my vines trimmed the most have not borne nearly as well as those trimmed only a little. I cannot pretend, however, to advise against the books, and give you my experience for just what it is worth.

J. S.

### Record in Dehorning.

#### Thirty-One Cows Deprived of Horns in Forty Minutes.

I recently dehorned my herd of thirty one head in about forty minutes. There was no perceptible loss of appetite or shrinkage of milk in any case.

Before dehorning, my cows were always inclined to fight more or less, and occasionally I have lost cows from the effects of this. Now they are peaceable as sheep.

My method was as follows: I first bought a spring-back bone saw, which, with a rope about ten feet long, is all the implement necessary to perform the operation. Leaving the cows in the stanchions, I fastened the rope with a halter-hitch around the neck and a half-hitch over the nose, then I slipped the rope up near the eyes. I then put the rope over the stanchion occupied by the next cow, a distance of about three feet, and drew the head firmly to one side, having a man to hold the rope. I took the horn in the left hand and sawed as closely as possible to the head. After taking off one of the horns I drew the head to the other side and proceeded in the same way, turning each cow out as soon as I finished with her. The loss of blood was slight with a few exceptions. The application of tar about a week later aids in healing the wound.

It is best to do this before warm

weather, when the flies become troublesome. By this method there is no danger to man or beast. I am now a strong advocate of dehorning, for my experience has given such satisfactory results.—*B. J. Jenks, in Farm & Home.*

### Planting Trees with a Cannon.

James Nasmyth, the inventor of the steam hammer, was a man who could find a way out of most of the difficulties which he encountered. His skill as a landscape gardener was remarkable.

The Duke of Athole consulted with him once as to certain improvements which that nobleman desired to make in his woodland scenery near Dunkeld. There was a rocky craig called Craigy-barns, which the duke wished to have planted with trees to relieve the grim barrenness of its appearance; but it was impossible for any man to climb the craig in order to set seeds or plants in the clefts of the rock.

"A happy idea," says his son, "struck my father. Having observed in front of the castle a pair of small cannon used for firing salutes on great days, it occurred to him to turn them to account. His object was to deposit the seeds of the various trees among the soil in the clefts of the craig.

A tinsmith in the village was ordered to make a number of canisters with covers. The canisters were filled with all sorts of suitable tree seeds. The cannon was loaded, and the canisters were fired up against the high face of the rock. They burst and scattered the seeds in all directions.

Some years after, when Mr. Nasmyth



revisited the place, he was delighted to find that his scheme of planting by artillery had proved completely successful, for the trees were flourishing luxuriantly in all the recesses of the cliff."—*N. Y. Herald.*

For the Maryland Farmer.

### NOVEMBER WORK.

The most important thing to do during the month of November is to prepare everything for the winter. It may be delightful during a great part of the month, and one is apt to feel that there is plenty of time before the real cold of winter will come. This is a very deceptive thought. You will wake up some morning and find everything suffering from neglect—the ground rigid, the stock trembling, the cellar invaded by frost, vegetables frozen, and every department indicating the severity of cold which should have been guarded against by you.

\* \* \*

The poultry may be made extra profitable if you will save all the waste vegetables, small potatoes and turnips, loose heads of cabbage, inferior garden truck, and feed it during the cold weather. It will turn more in poultry than in pig. If, however, you have sufficient for both, let both have the benefit of it. Much that goes to waste, may be turned into dollars with a little care.

\* \* \*

In this region and south of our locality November comes with some delightful indian summer weather; but it is necessary that every day of this character shall be used to the utmost advantage

in making things snug and comfortable. Broken panes of glass should be renewed, loose shingles and boards should be carefully nailed, shutters secured, cellars made "cold-proof" as far as possible, chicken houses made tight, gates and fences looked to, the woodpile made ample and piled under cover. These and numerous other "out of door" jobs are in order.

\* \* \*

The early chickens, if they are kept warm and provided with clean nests and fed regularly will begin to lay during November. It will be worth considerable to the family to have them looked after now. Use kerosene on the roosts; but do not touch the nest boxes with kerosene. The best cleanser of nest boxes, we have found to be holding them in a brisk blaze; the flames will do the work perfectly and will not injure anything in the least. If the pullets begin to lay now, they will average about two and a half eggs each for every week during the entire winter.

\* \* \*

During this month grape vines may be pruned and as the cuttings are taken we have found that they may be placed immediately in the ground to good advantage. We cut them into three eyes generally, and leave one eye just above the ground. After loosening the soil to a sufficient depth, we thrust the cutting into the soil to the desired length and let it take its chances. We have met with good success, and the roots have been numerous and strong at the end of the first season's growth.

\* \* \*

Remember that it requires a large

amount of food to keep up the natural heat in winter, and a good portion of this food may be saved if the stock is kept in comfortable quarters. Every leak in the barn where the cold winds will penetrate should be looked after. A few cents for nails and a few hours of time will save as many dollars in feed, and the animals will look better, give better satisfaction, and when the spring comes not be an eyesore to you as your neighbors pass by.

\* \*

We have had occasion in the past to comment upon the necessity of kindness to animals, we wish to give this emphasis now as winter approaches. It is a kindness on warm days to let them have as much liberty as possible—they need it for their own good and to benefit you also. But it is not a kindness to force them to remain out all night when nights are frosty, or to lie in the barn with the doors open or swinging back and forth in the cold wind. It is not kindness to drive them with oaths, and kicks, and beatings from one place to another, when they will go just as well without, if you let them know what you want. Train your help to be kind in word and act to your stock, and if you cannot train your help, discharge until you get some who can be trained.

\* \*

During this month look over your stock carefully, and cull out the least profitable and those you have reason to believe are not profitable and sell them. One profitable cow, is better than half a dozen which are not profitable. Let the half dozen go to the butcher and put in their place the one. Then add every

time the right animal, until your herd is made all number one.

\* \*

During the summer a great share of the milking is done in the open air. If during the cold weather it is done in the barn, let it be made clean and sweet before the milking is done. If regularly cleaned and a little plaster or even dry dust is used, no disagreeable odors will be mingled with the milk, and it will be much better when it gets into butter or is used in the family. The fine stream passing into the milk pail cannot fail to absorb whatever odors are floating through the barn and care must be used if good results are expected.

\* \*

Beets and carrots, if not already cared for, should be stored at once; Parsnips and salsify intended for use during the winter should be dug and placed in boxes of sand in the cellar to keep them from withering. Give celery what additional care is needed, and provide means of removing readily at any time.

\* \*

The transplanting of trees, vines, currant or gooseberry bushes, blackberries, raspberries may be done now, if you are careful not to allow the roots to be frozen while out of the ground. Rhubarb roots may also be divided and planted out, and asparagus plants may be set out to advantage.

\* \*

Bulbs for early spring flowers may still be planted, and the larger the bulbs the deeper they should be planted. As soon as freezing weather comes, cover well with old barn yard manure, well rotted.

This may be opened in early spring or raked carefully from the bed. It is in order now to transplant any hardy plants such as roses or lilies of the valley.

\* \*

Half hardy flowers and plants should now be encased in straw, as should all doubtful shrubs and tender trees. Figs, certain chestnuts, and very tender blackberries and raspberries may be thus protected; or the raspberries and blackberries laid down and covered with earth. November brings considerable work of this character.

#### Do you Go-a-Fishing?

The angling fraternity is having a special boon conferred upon it by Wm. C. Harris, editor of *The American Angler*, through the columns of which he is giving an exhaustive treatise on "Fish and Fishing in America." Over 200 of our native fishes are taken on hook and line, and Mr. Harris is telling us all about their life histories, habits, when, where and how to catch them. This will prove a most valuable text-book for anglers.

In addition to this practical contribution to angling literature, each number of the Magazine contains a great mass of interesting and instructive matter of peculiar value to fishermen. It contains 64 pps., handsomely printed and profusely illustrated. \$2. a year. The Angler Co., 110 Duane St., New York.

#### A Good Plan for Keeping Apples.

My plan for keeping apples is:

I gather from the 10th to the 20th of October, paying no attention to the moon. I store them as gathered in some out house for a week or two. Then I go to a tile drain and over this I prepare a box, by digging one foot deep, twelve feet long and four feet wide. I put a floor of

plank—anything will do except pine—and two eight inch plank for sides and ends; then the box is sixteen inches deep, twelve feet long and four feet wide.

When it is time to put the apples in the box, I sort carefully and fill up rounding full.

I take a piece of timber six inches square for a ridge pole, which I place over the top of the box, resting it on an eight inch plank, placed endwise at the end, to form a roof, one half pitch, which now I cover over with plank, sawed the required length, and break the joints well. Next I cover with dirt four or five inches deep, leaving a hole at the ridge pole for circulation of air. When wanted for use take out what are needed and fill the vacancy with clean straw. I have kept apples in this way for years and it beats a cellar for retaining their flavor.  
—*Cor. Indiana Farmer.*

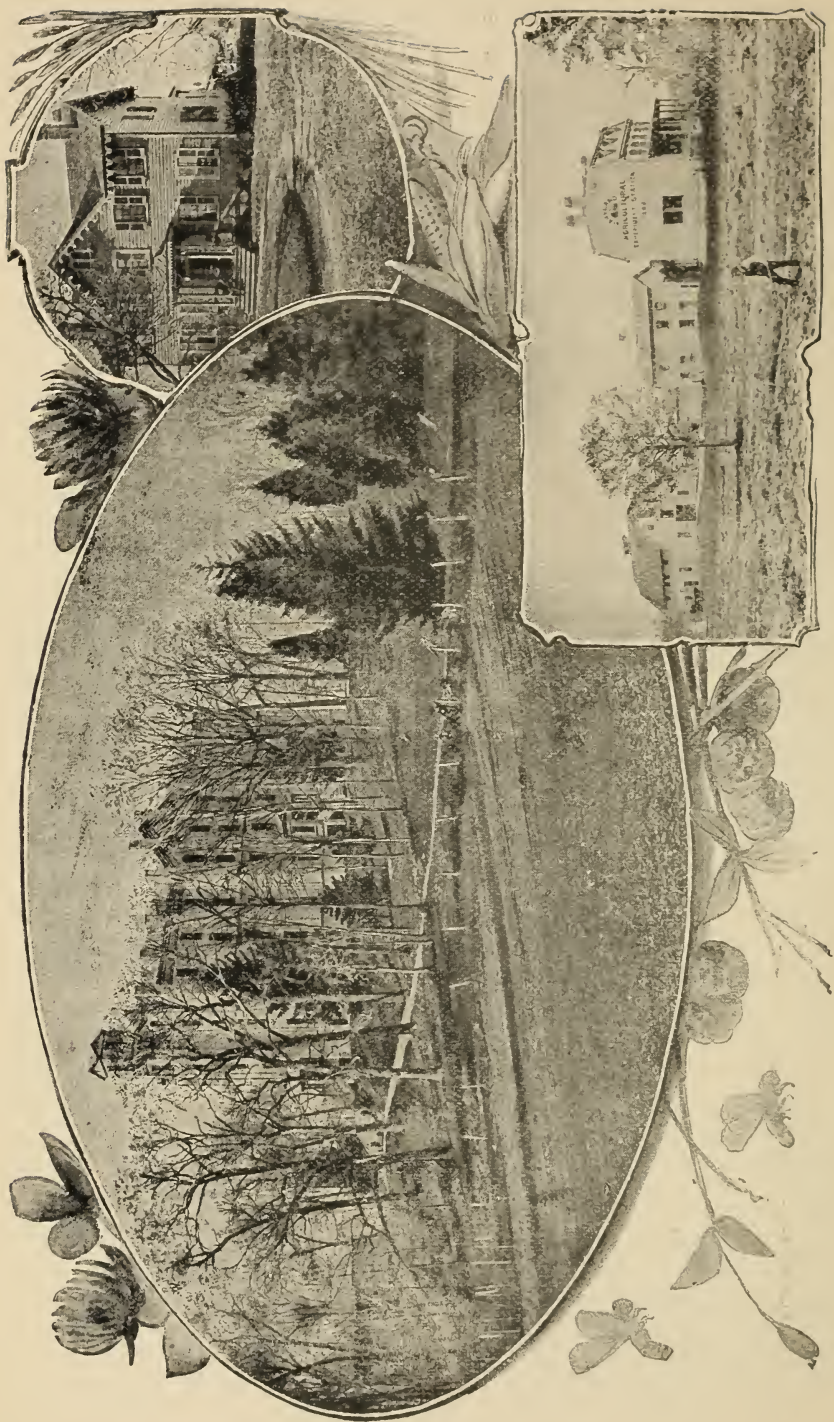
#### A Book of 500 Pages.

On treatment and care of domestic animals, Horses, Cattle, Sheep, Dogs Hogs and Poultry, sent free. Address Humphreys' Veterinary Specifics, Cor. William and John Street, New York.

Dr. W. J. Hawkins, of Raleigh, N. C. has a rather rare tree in his yard. It is the Japan varnish tree. It bears pods resembling large beans, except that the seeds hang just under the pods; the foliage is thick, leaves large and the bark on the trunk and limbs perennially green. The tree is a good size and makes a fine shade.

Ripans Tabules cure the blues.





MARYLAND AGRICULTURAL COLLEGE.



For The Maryland Farmer.

### THE COLLEGE AND ITS NEEDS.

Mr. Editor:—Again I wish to trespass upon your space and time, to call attention to the needs of an Institution, which by virtue of its proximity to the National Capital and to one of the largest Cities in the Union, should be one of the best of its kind in the country, and in consequence the pride of the State of Maryland.

Opinions of what should be the mission of the Agricultural College are so numerous and so diverse, the *spirit* animating its organization is so frequently discussed, that it is not inopportune to inquire into the early history of the Institution and find if possible the policy inaugurated by our farmer forefathers.

The majority of assertions setting forth its mission as announced by its founders have no other foundation than the *ipse dixit* of the party, or parties, making them. Now a truer conception of this first intention of these pioneers in this work can be found in the early literature of the College. May 12, 1858, we find in an original copy, by the Register of the College the following words:

“It is not supposed then that what we designate an Agricultural College aims *merely* at professional instruction in agriculture. The plan undoubtedly embraces such instruction; but it is to be far more comprehensive. It claims for the farmer or mechanic or for *whomsoever* its care may be sought, first, his development as a man, trained and fitted to the full extent of his capacity, for all the duties of a man and a citizen.”

Primarily this is to be a school of Agriculture and the Mechanic Arts, at the same time it should not stop here.

All other courses are it is true to be subsidiary. The influence of the school, as felt in its faculty, the atmosphere of its environment, in fine all influences pervading the general organization will be directed towards making the Institution, as its name implies, a Bureau of information and instruction in all that pertains to the highest development of the Agricultural and Mechanical interests of the State.

The languishing condition of the Agricultural interests is not to last much longer. There is a periodicity in cycles of human society. One generation finds the people eschewing rural pursuits and pleasures; another generation revolutionizes the old order of things and the pendulum in human affairs swings to the opposite extreme. The awakened and awakening interest in this first and most important of all vocations will demand and find the cause of this *artificial* state of affairs—I say artificial, for it is certainly very unnatural that there should be any thing of doubt as to ones success in a line of work if conscientiously and persistently followed, which is universally and uniformly acknowledged to be the basis of all prosperity.

One of the most important departments, in this investigation of affairs inimical to the farmers' interest, must be their Agricultural College. Is it then not to their interest to look carefully into its needs and to supply these needs so that the very best results can be obtained from the investigations carried on?

It is a patent fact that the average man interested in the College and its affairs has no clear idea of its financial status nor its powers for good under the present

circumstances surrounding it, and how this power could be immeasurably increased if certain needs could be supplied. Before mentioning these an outline of the Institution's income and the limitations upon it, will be given.

First, an annual fund, commencing with \$15,000 in 1880 and increasing \$1,000 each year until the maximum of \$25,000 is reached is known as the Second Morrill Act.

Second, \$6,000 per annum known as the First Morrill Act.

These two Acts represent grants from the U. S. Government with limitations and specifications so clearly defined that it is impossible to devote one penny of the same to supplying crying needs in many departments, without an absolute certainty of reversion to the national government of these grants. It is plainly specified that this money cannot be used for supplying buildings or plant of any kind for any of the Departments.

A liberal interpretation however has made it possible to make certain purchases under the head of "*facilities for instruction*," which if closed, would have still further handicapped the Institution under its present and future managements.

Third, the State appropriates \$6,000 for the use of the College, and this is the only fund from which sums can be obtained for the purpose of keeping up repairs, building and paying many other expenses incident to the government of the institution.

The Fourth source of revenue to the College is the Fertilizer Fee amounting each year to about \$1,000. This is but a pittance when one considers the work which is expected to be done for the

sum. It will not begin to meet the expense incident to the analyses which the Chemical Department is called upon to perform.

A recent letter from a manipulator interprets the Fertilizer Law to include within its limitations for free analysis not only the farmer's, but also every sample furnished by dealers. Any one acquainted with the fertilizer business of the State, and who at the same time has knowledge of the time and care necessary for a proper analysis of any grade of artificial manure, must know that the license fees amounting to the sum above mentioned, are entirely inadequate to any proper management of this most important matter to every man engaged in agricultural work.

The Fifth and last source of revenue at present at the College is the income from the Student body. The policy of the Board of Trustees is to make this Department merely self supporting.

In view of these facts it is plainly evident that no building can be done with means at present in hand. The Departments of Agriculture, Horticulture, Botany—in fine any of the Departments, requiring considerable room connected with the Institution—are really without suitable homes. The Mechanical Department can never amount to more than a name under the present circumstances; it would be a waste of money to attempt to supply a proper plant for efficient instruction in such poorly lighted, poorly ventilated, illy devised quarters—as are the only ones available for such at this time.

The limited accommodation for Students and Professors is even now stretched to its utmost capacity. The present

management has very unwillingly acceded to the enthusiastic interest felt by the Student body in the welfare of the College, and permitted three and even four to be domiciled in quarters intended only for two.

Such a state of things is not characteristic of the State in which we live and it is firmly believed that it needs only a presentation of facts to have the matter remedied at the very earliest opportunity. In this belief we are supported from the abundant illustration of its fostering care of all Institutions over which it exercises a controlling jurisdiction. Shall it be said that the homes it makes for the wayward and non respecters of law, are more ample in accommodations and appointments, than for that Institution whose function it is to eliminate just such a burden from the body politic.

It can be said without much fear of contradiction, that a young man in possession of that training which makes a livelihood possible with an honest expenditure of a fair proportion of his time is in a fair way to become a good man and a desirable citizen. The province of this College is to do just this. The munificence of the National Government has furnished a sum which will do good work if proper accommodations are furnished by the State. This is not a matter of a yearly appropriation—a continual drain—only a sum at one time sufficient to make a suitable home for the most important interest of the State. It can not be doubted that this will be done. The Agricultural and Mechanical College of the State has been compelled to languish for years for both accommodations and means to properly conduct its work. Such a condition, or con-

ditions, if not already past, must at least be at no late day, matter for history. This Institution's power for good is unquestioned. Shall it measure up to the full standard of its possibilities? No individual man can answer the question in the affirmative. It is for the people of Maryland to say, through that intangible yet powerful force called public opinion, what is to be done in the premises.

If the responsibility is accepted as it is in some States, I do not believe that there is any prescience that can scan the influence of this Institution as a factor in the welfare of the State.

R. W. SILVESTER,  
President Md. Ag'l College.

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#### A Money Maker.

It is so hard to get employment now and so hard to make money, that I know others would like to know how they can make a little money, as I have done. Tell your subscribers they can get all the jewelry, table-ware, knives forks and spoons they can plate and make \$25. a week. The plating outfit costs \$5. I did \$4.70 worth of plating the first day. The work is done so nicely that everybody seeing it wants work done. This machine is the greatest money maker I ever saw. Why should any one be out of employment or out of money, when they can, by using my experience, always have money in the house and have a little to spend too? Any one can get circulars by addressing H. F. Delno & Co., Columbus, Ohio.

K. JARRETT.

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Ripans Tabules cure indigestion.  
Ripans Tabules purify the blood.





PRES. R. W. SILVESTER.

## FACULTY OF THE MARYLAND AGRICULTURAL COLLEGE.

## R. W. SILVESTER.

## PRESIDENT MD. AGRICULTURAL COLLEGE

Pres. R. W. Silvester was born in Norfolk, Va., Sept. 16, 1857. He was graduated at the Va. Military Institute in June 1877; was elected to the chair of Assistant in Mathematics, Chemistry and Physics at Charlotte Hall in July 1877; was elected Principal of same School in June 1887. Having agricultural tastes he induced the Trustees of

the Institution to allot a certain portion of their estate to his direction. This was cultivated during seven years, and upon a system which materially increased its productive power.

Inheriting a natural fondness for agricultural pursuits from both sides of his family—the immediate members of which are and have been among the largest land owners and producers of Virginia—it is but natural to expect a

true agricultural spirit to pervade his administration of the affairs of the College.

A personal inspection of the College affairs by the Editor during the past month, has given rise to the impression that the farmer's interests are in safe hands, and as the exponent of their interests (being the only agricultural publication in the State) we invoke their hearty cooperation in the present management.

We further ask a careful perusal of the President's letter in the present issue by our farmers and all others interested in the welfare of this College. It is the one distinctively marked State Agricultural Educational Institution in Maryland, and we can make it worthy of the State and the people it is intended to represent.

The Press of the State we trust will feel an interest sufficient in this matter to use their efforts to supply the desiderata so plainly and so forcibly pointed out.

**Lieu. John S. Grisard.**

John S. Grisard, 2d Lieu. of the 13th regiment United States Infantry, who is Prof. of Military Science and Tactics in the College, was appointed to the Military Academy at West Point from the State of Ohio 1884. He graduated in 1888 and served three years in his company at different posts in the West. He was appointed to his present position by the War Department in September 1891. He is also the Acting Prof. of Applied Mathematics.

**Prof. Wm. H. Zimmerman, A. M.**

Prof. Wm. H. Zimmerman, is a native of Baltimore County, his father being a Maryland Farmer. He received his education at Dickinson College. He is

Professor of Physics and Instructor in German. He has served at the Maryland Agricultural College five years. He was Principal of Elkton High School, but was called to become the Vice President of the Western Maryland College where he remained four years. He then accepted the position of Vice President of Washington College, at Chestertown, and remained there nine years. He was recalled to the Western Maryland College, but needed rest, and after a season given to recuperation, he was called to his present position.

**Prof. Richard H. Alvey.**

Prof. Richard H. Alvey holds the chair of English, Belle Lettres and Political Economy. He is the son of Chief Justice Alvey and a native of Hagerstown, Md. He has been connected with the Maryland Agricultural College about four years. Previous to this he served in the Public Schools of Washington County and in the High School of Hagerstown. The course of Political Economy, with its lessons of Citizenship, in our College, is of his own creation.

**Prof. W. T. L. Taliaferro.**

Prof. W. T. L. Taliaferro, belongs to the well known Taliaferro family of Va. and is a native of that State. He is Professor of Agriculture and Soil Physics. He is a graduate of William and Mary College. For five years after leaving College he was Principal of the High School in his native county. He continued his farm work in the midst of his teaching. In 1881 he removed to Maryland and became Principal of the Belair Academy where he remained until 1888. Since then he has been connected with the "Harford Democrat." While in

Belair he became a member of the Fallston Farmer's Club of Harford County and took an active part in their work—he still holds his membership. His promotion to the Chair of Agriculture in our College will give him plenty of work which he will welcome most heartily.

**Prof. H. B. McDonnell, M. D.**

Prof. Dr. H. B. McDonnell, is Professor of Chemistry in the Maryland Agricultural College, and has under his direction the Analysis of fertilizers, which the College does gratis for the farmers of Maryland. He is a native of Pennsylvania and a graduate of the State College. He is also a graduate of the College of Physicians and Surgeons of Baltimore and has taken post graduate work at the Johns Hopkins University. He has, also, the work of analysing the fertilizers sold in this State by dealers and manufacturers as provided by law.

Master H. C. Sherman, a member of the Senior Class, is assistant to the Prof. of Chemistry.

**Prof. Martin P. Scott, M. D.**

Prof. Dr. Martin P. Scott holds the Chair of Biology and Zoology in the Maryland Agricultural College. He is a native of Farquhar Co., Virginia. Previous to his present appointment he held several very important positions in other well known institutions. He was Professor of Chemistry in the Medical College of Virginia at Richmond—afterwards one of the Professors in the Medical College of Baltimore—and later Prof. of Biology and Natural History in the Agricultural and Mechanical College of Virginia. His past experience fits him well for his present work.

**Prof. Thomas Humphreys Spence.**

Prof. Thomas Humphreys Spence is Professor of Languages in the Maryland Agricultural College. He is a native of Snow Hill, Worcester County, Md. He was educated at the Johns Hopkins University and had charge of the Academy at Snow Hill for three years. This is his first year in connection with our College. Prof. Spence comes of a talented family, his father at one time was School Examiner of Worcester Co., and his grandfather, Irving Spence, brother of Judge Spence, was a prominent lawyer and author of *The History of the Presbyterian Church in America*.

**Prof. Henry T. Harrison.**

Prof. Henry T. Harrison, in charge of the Preparatory Department, is a native of Charlotte Hall, St. Mary's Co., Md. He was educated at the Academy of that place under Prof. R. W. Silvester, now President of the Maryland Agricultural College. He graduated in 1885 and taught in the Public Schools of St. Mary's County and afterwards became Principal of the Relay High School, Baltimore County, where he remained four years. His father, the late Jos. N. Harrison was son of Thos. E. Harrison, of Piedmont, Va., who served in the war of 1812 and took part in the battle of Bladensburg.

**Prof. H. M. Strickler, Jr.**

Prof. H. M. Strickler, Jr., is a native of Virginia and a graduate of the Randolph Macon College, Class of 1890. He is Director of the Gymnasium and Professor of Physical Culture in the Maryland Agricultural College. Previously he taught as Principal of the Vienna Academy. During the scholastic term



of 1891—92 he took Post Graduate work in the Johns Hopkins University.

#### Experiment Station.

**Robert H. Miller.**

Robert H. Miller, Director of the Md. Agricultural Experiment Station, is a native of Missonri; but from infancy a resident of Montgomery County. He is a farmer and was actively engaged in that pursuit when elected to this position. For some years he was one of the Board of Management of the Montgomery Co. Ag'l Society, of which he was President during the year '90 '91. In 1889 he was appointed by Gov. Jackson a delegate to the National Farmers' Congress which met in Montgomery, Ala., that year, and the following year in Iowa. He is forty one years of age, and, being in the very prime of life, brings both energy and experience to the Experimental work to which he has been appointed by the Board of Trustees. He will have ample opportunity for such work at the College Park and his past promises the fullest success in this new position.

**Prof. H. J. Patterson.**

Prof. H. J. Patterson is the Chemist of the Experiment Station. He is a native of Pennsylvania and has been peculiarly fitted by his training for the position he now occupies. He graduated from the Pennsylvania State College taking the advanced Agricultural Course. He then took one year of Post Graduate work on agricultural chemistry in that institution, and for three years was assistant chemist of the Pennsylvania Experiment Station. Under the direction of his father he had already enjoyed the benefits of a long experience in farm experiments as well

as that afterwards secured in the Station work. He has filled the position of Chemist of the Md. Experiment Station for between four and five years.

**Prof E. H. Brinckley.**

Prof. E. H. Brinckley holds the position of Mechanical and Engineering Professor. He was a farmer of the Eastern Shore, a native of Somerset County. His school in Mechanics was a most practical and thorough one in the shops of the Baltimore & Ohio R. R. He has been four years in charge of the Mechanical Department, Experiment Station.

**Prof. James S. Robinson.**

Prof. James S. Robinson is Horticulturist at the Experiment Station and Professor of Botany in the Md. Agricultural College. He attended Dickinson College; but as fitting him for his present position has enjoyed the advantages of work on the farm in Anne Arundel Co., and has been, and is, especially interested in the culture of fruits. He has always taken a prominent part in farmers' organizations and is now State Lecturer of the Grange organization. We welcome him to the honors and labors of this very important position to which he has just been elected by the Board of Trustees.

#### Board of Trustees.

**Members Ex-Officio under State Law.**

Hon. Frank Brown, Governor,

President of the Board.

Hon. John P. Poe, Attorney General.

Hon. Spencer C. Jones, State Treasurer.

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**American Bee Journal.**

We record the fact that this old and excellent weekly Journal has changed hands, and comes to us in a new dress. It has always been a paper full of enterprize and we wish its present proprietors abundant success. Address Geo. W. York & Co., Chicago, Ill., enclosing \$1.00 for the year.

For the Maryland Farmer.

**BACTERIA AND SOUR MILK.**

Reading recently quite an extensive article on bacteria souring milk I was deeply impressed with these facts:

Why call dirty, slovenly washed, or unwashed receptacles which cause milk to sour by the name of bacteria?

Why call carelessness in handling milk or in exposing it to high temperature by the name of bacteria?

Why call the boiling of milk, freeing it from the ubiquitous thing known now as bacteria?

Why call the keeping milk in a cool place, preventing bacteria from souring it?

Why excuse dirty milk pails, filthy help, neglect, ignorance, laziness by laying this souring of milk on bacteria?

The papers are running mad on this "fad."

Do thunder storms sour milk? Oh, no! Bacteria are rapidly propagated in that peculiar condition of the atmosphere which accompanies thunderstorms—that's all!!

Everything—good, bad and indifferent—is bacteria.

**B. & O. FIELD.**

This is the title of a handsomely printed and illustrated monthly, issued by the B. & O. R. R., setting forth the state of improvement at different points on the line of the railroad. It is packed with desirable information as to the soil, climate and products of this region and sets forth the great inducements to industrious emigrants to make a home here. Land cheap, markets excellent, social advantages first class. The "Field" will be interesting to our readers. Send for sample copy to "B. & O. Field," Baltimore, Md.

Grease will spoil eggs for hatching; therefore, never grease a sitting hen. Kill the lice with insect powder.

Ripans Tabules cure bad breath.  
Ripans Tabules cure torpid liver.

Compiled for the Maryland Farmer.

### FARM ITEMS.

Milking should be done with the greatest regularity. An hour's time out of the way is harmful to the cow every time.

A large crop of apples may be grown when a hive of bees is stationed in the orchard. The pollen is rubbed from their bodies against the pistils of thousands of flowers, which thus become fertilized. Many of the strange feats of hybridizing varieties are due to the agency of bees.

The wheels of the mowing machines are made use of for constructing low-down wagons with wide rimmed wheels, that prove to be just the thing.

Stock that is continually tempted by weak fences should not be blamed for becoming "breachy."

Provide plenty of bedding for the sheep during the winter so as to keep the wool out of the dirt, and at the same time it will aid, to keep the sheep dry.

A box six inches high and two feet square kept filled with clean, dry dirt makes a good dust bath.

Next to the Jersey Red, the Poland China breed is considered to rank highest in regard to hardiness and ability to resist disease.

If ducks can have a free range during the day and comfortable quarters at night they can readily be kept healthy.

The calf is not so stupid as he looks. When his mother fails to answer his demands he gives her a "milk punch," and the old lady comes down.

A writer in speaking of the merits of the Shorthorn says that they have improved the herds of cattle of America more than all other improved cattle that were ever brought here. They have raised the average weight of thousands of our beef cattle from 200 to 500 pounds per head, and reduced the selling age a whole year, besides greatly increasing the selling price.

Light hogs prepared for early market often

bring far more profit than if kept until later when prices are low because of the rush of fresh pork.

A boar that is selected for breeding should do but little service until he is a year old.

It is not necessary that Pekin ducks should have either a stream or pond, as many suppose; if a large part of their especial feeding could be thrown into shallow tubs of water sunk into the ground it would be a great help to them so far as health, rapid growth, and general vigor are concerned. Swimming is not necessary for the ducks.

Don't buy a cow with high head and eyes starting from sockets. She is off in disposition, and you will be a loser.

There is more profit in raising horses that will sell than in those that you will have to trade.

You can never grade up the cattle unless you use better animals for breeding.

The time has gone by for keeping a steer until he is four years old before sending to market.

Scaly legs are eyesores. With such simple remedies as applying vaseline or lard, to which a few drops of carbolic acid has been added, there is no excuse for their presence in a well kept flock of poultry.

The chaff from wheat is one of the best materials for use on the floor of the poultry house. Keep the chaff dry and under cover. It not only permits of easy cleaning of the house, but acts as an absorbent and also serves as litter in which the hens may scratch for food.

A well known Australian wool grower raises 200 acres of rape for his sheep, and he speaks in the highest terms of its value. He has fattened twenty sheep per acre on his rape field.

If you have barb wire fence around your pasture it may pay to tie scraps of tin or some other substance to the wires to prevent the animals from running against it without seeing it.



## OUR BULLETIN BOARD.

### DO YOU KNOW

that hundreds of men and women earn their living by writing advertisements?

It is a profitable business.

The progress of a nation can be traced in its advertisements. In these are recorded its advancements and achievements. The ten thousand who form the vanguard of a nation, hold their position partly because they watch and read. They find it is time well invested

### READING ADVERTISEMENTS.

### OUR CASH PRIZE.

To encourage advertisement reading, we will give two dollars in cash to the person first sending us the largest number of mis-spelt words found in the advertisements of this issue.

If winner is not a subscriber, we will send one dollar in cash and the Maryland Farmer for one year. State advertisements and words. Words sent, of which Webster shows two methods of spelling one of which we have used, not counted.

Winner of the October prize; Mrs. T. K. Galloway, 318 E. Lanvale Street, Baltimore, Maryland, who found 14 mis-spelt words, two in Electrotypes.

### WE WANT YOU

to become our agent in your neighborhood.

### IT WILL PAY YOU

because we offer liberal commissions.

### WRITE FOR TERMS.

### SPECIAL COMBINATION OFFERS.—Select your choice.

To new subscribers or old subscribers renewing,

The Maryland Farmer and Cosmopolitan Magazine, both 1 year,	\$3.00.
“ “ “ “ Century “ “ “ “	\$4.00.
“ “ “ “ St. Nicholas “ “ “ “	\$3.00.
“ “ “ “ Pigeon Queries “ “ “ “	\$1.00.
“ “ “ “ Question Book on cattle and the Dairy,	\$1.00.

Send Subscriptions direct to Office Farmer Publishing Co. 213 North Calvert St., and the Magazine will be sent promptly.

# MARYLAND FARMER,

H. R. WALWORTH, Editor.

A. C. KENLY, Business Manager.

The MARYLAND FARMER is published Monthly at Baltimore, Md., at the subscription price of \$1.00 a year in advance. New subscriptions can commence at any time during the year.

Payment for the Maryland Farmer when sent by mail should be made in a Post Office Money Order, Postal Note or Express Money Order. When neither of these can be procured, send the money in a registered letter. All postmasters are required to register letters when requested to do so.

Always give the name of the post office to which your Magazine is sent.

CONTRIBUTIONS:—All are cordially invited to express their opinions on any subject, give helpful talks to the inexperienced, and ask questions in any department.

All letters should be addressed,

**FARMER PUBLISHING CO.,**

**213 N. CALVERT ST., BALTIMORE, MD.**

Correspondents are specially requested to write their communications on separate slips of paper and only on one side, signing name and address.

Advertising rates sent on application. Agents wanted; liberal commissions.

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Entered as second class matter at Post Office, Baltimore, Md.

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Sample Copies of the Maryland Farmer mailed by us to persons, not already subscribers, will be accompanied by an addressed envelope and subscription blank. Please consider this an invitation to subscribe, after a careful examination of this old and influential journal.

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## WHAT WE WANT.

Farmer representatives at Washington and in every State Legislature.

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## PUBLIC ROADS.

On the 20th of October an organization was formed in Chicago which will be of immense benefit to farmers. For many months a movement has been in progress for the improvement of public roads. The promoters of it appealed through the press and by means of petitions to

the State Legislatures and by every method that seemed to promise the faintest hope of success. They at length reached the conclusion that more could be accomplished through organization, and delegates were sent from different parts of the country to meet in Chicago during dedication week with the result that a national organization has been perfected which is to have an organ to spread useful information concerning the construction and repair of the public roads and to create and encourage a popular sentiment favorable to better roads. The organization is to have branches in the several States and it will seek official recognition through the Governors of the States.

The promoters are in earnest and have already done much practical good by their publications. They will of course look to the farmers to second their efforts as none are so handicapped by bad roads as the tillers of the soil and none can possibly derive more benefit from the success of the national organization. The public roads of America are a disgrace to the civilization of the people. The evil

is not confined to a particular locality but is general and is owing mainly to two things, almost unpardonable ignorance of scientific road-building and the failure of the farmers to protect themselves through their representatives in the State Legislatures. The national organization or League for good roads proposes to remove the one and correct the other by stirring up such popular interest that legislators will be compelled to take notice of this grievance of the farmers.

To go no further than Maryland it is within bounds to say that the money spent on the public roads in the counties during the last thirty years, if judiciously spent, would have made them excellent thoroughfares easily kept in order at a trifling annual outlay; but there was no system, no effort at scientific road-building, no attempt to secure the services of those who understood how a road ought to be built or of what materials it should be constructed, what style of construction or what sort of material was specially adapted to one formation or locality and what to another. In the majority of cases fitness for the duties to be performed has been about the last thing considered in the appointment of road supervisors and the selection of men to work upon the public thoroughfares.

Farmers, who always select a shoemaker to make their boots or a tailor to make their clothes, have in nine cases out of ten been perfectly content with the selection of a petty politician who knows more about vote getting than road-making to construct and repair the thoroughfares over which their produce, their main dependence, must go to market. They complain of hard times, very often it must be admitted with justice, but they

seldom reflect how much easier the times would be if they had such roads as are universal in France or England where one pair of stout horses can pull as much as six on the wretched apologies for roads which too often do service in this country.

The money spent on roads under the present system, or rather lack of system, is not infrequently harmful rather than beneficial. The work is so slovenly done that roads which were previously passable are with the first washing rain made impassable. The national league organized at Chicago proposes to show how this state of things can be remedied and to so agitate that a strong popular sentiment will compel the proper authorities to apply the remedy. It should receive the most cordial encouragement and assistance from the great body of farmers.

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#### FARMERS WRITE.

During the coming winter, farmers will remember many small items which have contributed to their success. Items in the cultivation of crops, or in the feeding of stock, or in the care of produce, or in the handling and sale of the same. We would like these items for our Columns—they are just what is most needed to bring success—send them to us.

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#### SOURCE OF SUCCESSFUL ADVERTISING.

Those who have won great success in their business, have not depended upon immediate receipts from their advertisements; but have made their names fa-



miliar in every household, so that they can be addressed at once from any part of the country for what they sell. This is the true idea upon which to advertise—keep the name, the address, and the thing to be sold, always before the people—the result is sure.

#### BOULEVARD & ELECTRIC ROAD.

The boulevard and electric road between Baltimore and Washington seem now to be an assured fact. The company is incorporated, Congress has given the required permission to enter the District, capital has been supplied by Baltimore and Philadelphia, and all things seem to point to the fact that the great electric road, so long wished for by both cities, will soon be an accomplished fact.

We recognize at once the great benefit which will accompany the completion of this undertaking. It has for years been a wonder to us that property between these great cities, on the immediate line of the railroads should be at merely nominal prices, and that year after year nothing virtually in the way of improvements and buildings should be going up. During the past year, however, the agitation of this subject of an electric road and a beautiful boulevard for carriage use has given some impetus to building and the style of houses has improved. It is safe to say that many hundreds of fine residences will be projected at once as the outcome of this enterprise.

It is generally believed that the entire line of road will be rapidly occupied with dwellings of a superior character, and by families who will be able to make use of the electric road to and from the adjacent cities. It is now understood generally

that the fares will be placed at such a price as will in a few years virtually make of Baltimore and Washington one city, and the entire country adjoining the boulevard a popular residence tributary to the great business centres of the respective terminals.

It will be remembered that we have advocated a passenger rate for our railroads in the past of one cent a mile; believing it would be for the great benefit of the country and also for the railroads. It is now understood that this electric road proposes to go even better than this, charging only 25c between Baltimore and Washington, and smaller sums 5c to 20c between intermediate points.

With such a road in operation, it is hardly possible to estimate the changes which a very few years will bring about for Maryland in the way of prosperity. It must bring into use for marketing purposes whole regions of farming land now lying idle, and which may be had for the nominal cost of five or ten dollars an acre. It will bring hosts of enterprising families to occupy all these now unproductive acres, turning them into gardens. These farms were once the garden spot of America, and it would not be a very hard task to make of them once more the place of marvellous crops to supply the needs of the growing cities of Baltimore and Washington, and the thriving young cities fast building up between these two.

Already new houses and manufactories are springing up rapidly all along this route, and it only requires this additional speed of rapid transit for nominal fares to turn a slight boom into a rapid permanent growth.

Laurel, midway now between the two cities, has received a large benefit by means of its enterprising press, and especially from the enlightened foresight of real estate holders in her immediate vicinity. But she is only one of the points of which there are destined to be a host between these cities when the boulevard and electric road become realities.

It seems to us that no duty is more imperative for the press of these two great cities, and wherever located between the two, than to aid by all the power and influence they possess the success of this magnificent undertaking.

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#### THE STATE VETERINARIAN.

We acknowledge that we do not know what are the duties, and obligations, and privileges of the State Veterinarian. Either the farmers are not aware of these particulars, or the action of the State Veterinarian is misunderstood, or the Veterinarian is at fault. During our visits to the Fairs we have listened to many complaints from farmers to this effect:

When the State Officer is called to any particular locality in consequence of a report of prevalent disease, the farmers having cattle in the neighborhood ailing, within a circle of a few miles, call upon the Veterinarian to visit their herds. They complain that he refuses to visit any but the original herd unless paid a liberal fee from the farmer desiring his visit.

The farmers think that this officer is employed and paid by the State to visit just such cases, where they cannot tell whether the sickness is contagious or

not; and that aside from their willingness to convey the officer to and from their farms and give him entertainment at their homes, there should be no "liberal fee" in money required from them.

The question is, are the farmers right? or is the State officer right in requiring the extra pay?

The complaint is quite general—so much so that the farmers consider the visits of the State Officer a farce. He comes to one herd; whether he finds anything or not, he will go no further without personal recompense. We do not profess to be skilled in interpreting the law; but we candidly admit that this interpretation of it does not meet our approbation, and if the cases are as stated we must consider their complaints as just.

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Prof. Whitney's absence from the city, on duties in the western part of the State, has prevented his preparation of the article for our November number, in time for this issue. Our readers may expect it in December.

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#### THE TROTTER.

Of course Nancy Hanks (2.04) is in everybody's mouth, and the probability of two minutes is being calculated by all sorts of mathematical rules—which is the height of folly. "Two minutes" does not depend upon mathematical calculations of past performers and the length of time they have taken to decrease the record for each second or quarter of a second.

Nor does it depend upon the shape of

the tracks as regulated, as has been clearly demonstrated in the case of Nancy Hanks; nor even upon the bicycle sulky, which now seems to be all the rage and which lessens in a trifling degree perhaps the friction of the track.

What then? We believe the record will be brought to two minutes; but it will be done by skillful breeding, and more skillful training, and most skillful driving. It will be the man who will lessen the present record, as well as the horse. Few men in our country can drive Nancy Hanks in 2.04, even now that she has had the skillful training which a No. 1. man has given her. Without her driver, and without her trainer, her breeding would have failed to make her the triumph she has become. All three are needed, and the future two minute trotter, is only a matter of human judgment and skill in these three particulars. Breeding, training and driving.

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#### THE YOUTH'S COMPANION.

We acknowledge with our best pen the beautiful and artistic invitation of the *Youth's Companion* to visit them at their New Home, Columbus Ave. and Berkeley Street, Boston, Mass. We shall not fail should we find ourself in their vicinity on our next visit to Boston.

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#### THE RIDGELY CHESTNUT.

We have received from the Peachland Nurseries, Seaford, Del., a small box of Ridgely Chestnuts. This is a chance seedling, of unknown parentage, of the size of the Spanish which it somewhat resembles in form. It is, however, far

superior to the Spanish or Japanese in flavor and does not possess the bitter skin of these large nuts. The tree itself often nets the owner \$25 in a single season, and trees grafted from it come into bearing in three or four years. Will Mr. Charles Wright accept our thanks.

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#### PHOTOGRAPHING FOR THE WORLD'S FAIR.

We see it stated in the papers that Gov. Brown is having certain rooms, etc., of historical interest photographed and framed for use in the Maryland Building at Chicago during the Fair. We think everyone will approve this movement as it is very appropriate and will be a lesson to the vast crowd of visitors. We were, however, surprised to see that neither Annapolis, nor Baltimore, nor Washington, had a Photographer with skill enough to do this work! One must be imported from Denver, Colorado! It will even take him some months to do this in a manner above criticism! We suppose Denver is all right; but is it not in bad taste, to say the least, to go so far for so little? We labor under the opinion that all such work could be equally well done by any of the good and true artists among our own people and that it is not just the thing, especially in connexion with our Chicago exhibit. It seems to us to need some explanation.

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#### THE CHINESE.

The treatment of Chinamen by our government is unworthy the most barbarous people, and is a stench in the nostrils of the civilized world. It should



be denounced by every paper in the country until those in power are shamed into a decent regard for humanity.

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#### TENNESSEE BLUE LAWS.

It is a disgrace to our civilization that in this age, christians who conscientiously observe the Seventh day as set apart in the Bible, should be subjected to persecution and put in the chain gang with criminals for working on Sundays. So long as this is done in Tennessee that State should be held up by the press of the country to the detestation of all good men and citizens. We do not belong to the Seventh Day Adventists; but we regard the law as enforced in Tennessee as ten times worse than any labor on Sunday. It belongs to the old ages of the destruction of heretics by the torture and the stake, which all christians of to-day deplore and denounce. Shame on Tennessee! and let no decent farmer for a moment consider any claims it may hold out inviting immigration.

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For The Maryland Farmer.

#### EDITORIAL BRIEFS.

During the coming winter many important subjects will claim the attention of farmers. The political contest is about ended, the excitement attending it will soon pass away, other subjects for thought and practice will come in and there are plenty of the most vital interest.

\* \* \*

How can we do better in the future than we have done in the past with farm, produce and stock? How can we make

things pay in cash better than for the past three or four years? How can we prevent the classes favored by the government from getting possession of all our earnings? These are questions every one of us should try to answer.

\* \* \*

In the above the most interesting question would naturally be, "How can we make things pay in cash better than for the past three or four years?" Then you must ask yourself: Can I send better things to market? If not, can I send them in better style? Can I not grade the produce so that it will bring more? Can I put it before the purchaser in better packages? And a host of similar suggestions should come to you.

\* \* \*

The idea of economy is always a good one, of course; but we will venture to say here that no other class in our country are already, by the force of circumstances, so generally economical as are farmers. We, therefore, consider the frequent recommendations to farmers on the subject as bordering on impudence, and feel very much like resenting it. It generally comes from those who have plenty of money and do not know what economy means when applied to the farmer.

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Recent experiments made in Germany go to show that Asbestos Paper is not only of no advantage in a floor as a protection against fire, but it probably aids the conflagration.—*Scientific American*.

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Ripans Tabules : at druggists.

Ripans Tabules cure liver troubles.

Compiled for the Maryland Farmer.

### INTERESTING ITEMS.

When going from a warm atmosphere into a cooler one always keep the mouth closed, so that the air may be warmed by its passage through the nose ere it reaches the lungs.

Take a good sized bunch of catnip, wrap it in paper leaving both ends of the paper open, and lay it on shelves or any place where ants are troublesome. The ants will soon disappear.

Freshly cut flowers may be preserved alive for a long time by placing them in a glass or vase with fresh water in which a little charcoal has been steeped, or a small piece of camphor dissolved. The vase should be set upon a plate or dish and covered with a bell glass around the edges of which, when it comes in contact with the plate, a little water should be poured to exclude the air.

To tighten cane seat chairs, turn up the chairbottom and wash the cane work thoroughly with soapy water and a soft cloth. Let it dry in the air and it will be firm as when new, provided the cane has not been broken.

One of the many cures for earache is to mix well together ten drops of laudanum, one half grain sulphate of morphia and one half ounce of glycerine. A piece of cotton well saturated with this mixture should be inserted in the ear and renewed every fifteen minutes till the pain ceases.

The clam is a most important remedy for alcoholism. It absorbs the poison from the system and removes it, supplying its own unique nourishment. The valuable properties of such an agent entitle it to high rank in the economy of life.

One or two clams taken daily will supply both nourishment and a natural, harmless stimulus at the same, doing all the work of alcohol and doing it better, without ill effects.

The clam is a most efficient medical agent; first it is a great brain food and a stimulant

at the same time, highly valuable to all who live by mental labor.

When bread or biscuit become stale, you can freshen it by pouring a little hot water over the loaf and draining it off quickly; then set it in the oven to heat through, it will be as good as new.

An enterprising American has gone to Mexico for the purpose of raising chickens.

Norfolk, Va., exports annually \$8,000,000 worth of peanuts.

One thousand, three hundred and sixteen is said to be a moderate estimate of the number of millionaires in New York City.

The great "Order of the Iron Hall" will doubtless soon be languishing in the lap of a permanent receiver.

In the census of 1920, look for the figures 100,000,000, which will represent the population of the United States.

Contractor and Builder says the South is planning to spend \$2,000,000 at the World's Fair.

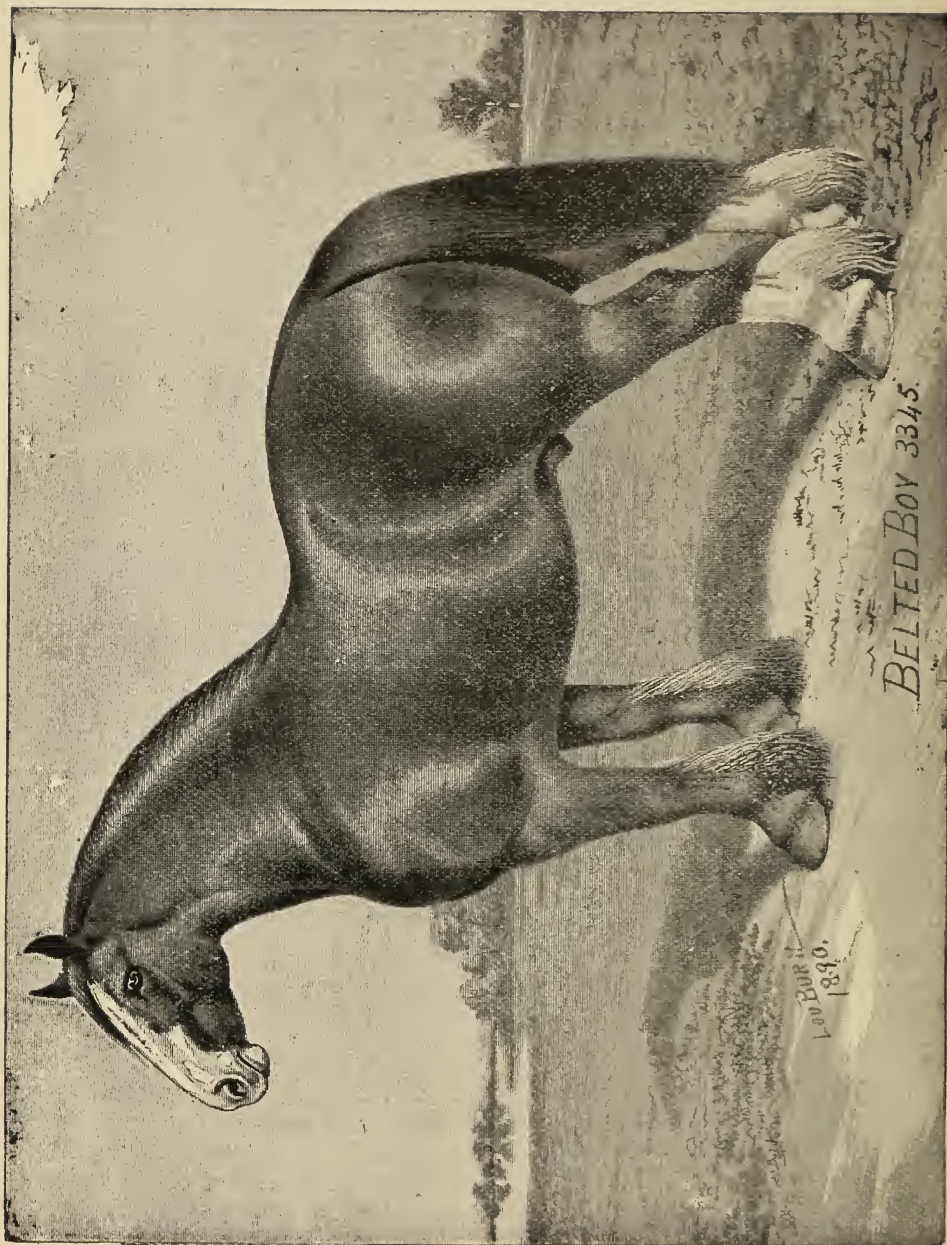
Broad tires in Michigan take off half the road tax.

We are told that the Ashantee cattle of the Cape Coast region are the smallest of the bovine species. One recently taken to London, perfect in every particular, weighed about 67 pounds, and he was said to be "a large bull." Of seven others taken on the vessel for fresh meat, the largest slaughtered weighed, when dressed, 47 pounds.

We see it stated that a late convention of German horse butchers agreed to open a first-class restaurant in Berlin for the purpose of educating the upper classes to the use of horse flesh as a viand. The report submitted to the convention stated that there are 2,400 horse butchers in Germany, who kill 86,000 horses annually. These horses are mostly fattened for the meat market. No worn-out animals are used.

Wilmington, N. C.'s first bale of New Crop Cotton was sold on Sept. 1st by Messrs. Alex. Sprunt & Son to Mr. T. A. Dolan at 7c. per pound. Weight of bale 466 pounds.







**BELTED BOY, 3345.**

The Clydesdale Stallion, Belted Boy, illustrated in this issue, is owned by Messrs. J. S. & W. G. Crosby, of Eureka Place, Greenville, Mich. He is a model draft horse, admired by all who see him, and is a winner at the Buffalo Exposition 1889, as well as several other prominent shows. The Clydesdale horses as draft horses are well known and Belted Boy is a good representative of the breed. The Messrs. Crosby are also breeders and importers of fancy Shropshire Sheep, and will be pleased to send a copy of their new illustrated catalogue of fine stock for 1892 to any one applying, free of charge.

**Breeding of Hogs.**

Few branches of the stock business demand more care and skill than the raising of hogs, but to such as can supply these they are as generally certain to return a profit as is any other kind of stock.

It is a fact well understood that a pig makes more meat in proportion to waste matter, and more also in proportion to food consumed (when properly fed) than any other domestic animal.

They also mature so early and are so prolific that they commend themselves to farmers who have not much capital with which to begin the stock business. The very fact that a start can be made with so small an expenditure should be enough to induce all who go into the business to begin with good stock; but some who are particular about the breeding of their cattle and even of sheep, seem to think that one hog is as good as

another; but there is as much difference between the growth and profit from a high grade and a scrub pig as between a good and bad steer.

One great drawback to profitable hog raising has been too great dependence upon corn for feeding. Provide a good clover pasture in summer and supplement this in the early fall with ground oats and middlings, with corn only to finish off, and good pork can be produced at a good profit.—*Rural World*.

The San Francisco Society for the Prevention of Cruelty to Animals. 1170 Market St.

Sep. 28th 1892.

Dr. L. P. Britt, 37 College Place, N.Y.

Dear Sir:—Enclosed please find postal money order No. 37,747, for which send me two five inch driving bits same as last ordered. I have given the bit one trial. I used it on a confirmed puller that required two strong men to drive, they alternating as they became exhausted. After a few efforts the animal succumbed, and I could drive him with slack lines. Yours truly,

NATHANIEL HUNTER, *Sec'y*.

**GRIFFITH, TURNER & CO.**

We wish to call particular attention to the advertisement of Messrs. Griffith, Turner & Co. in the present number. The changes were intended for last month; but in consequence of removal, and the great confusion occasioned by it, they were not made. This is one of the old, substantial and most reliable houses in our city. Our readers cannot do better than visit them when in need of anything in their line.

## ORCHARD AND GARDEN.

We call especial attention to this list of Nurserymen, Seedsmen, Florists, etc. They all issue good Catalogues and will cheerfully send you one free, if you write referring to the Maryland Farmer. We believe every one of them to be reliable.—[Ed. M. F.]

**E. Moody & Sons,** Lockport, N.Y. Niagara Nurseries. Established 1839

**Crosman Bros,** Seeds and Plants, wholesale and retail. Rochester, N.Y.

**F. Barteldes & Co.,** Kansas Seed House. Lawrence, Kas.

**J. Berckmans,** Trees, plants, etc., adapted to the South. Augusta, Ga.

**P. Emerson,** Fruit Trees and Asparagus. Wyoming, Kent Co., Delaware.

**Green's Nursery Co,** Rochester, N.Y. Send for Ill. Cat. & Guide.

**Royal Palm Nurseries.** Reasoner Bros., Oneco, Florida.

**Berlin Nurseries,** Wholesale and Retail, J.G. Harrison & Son, Berlin, Md.

**Highlands Nursery,** American Ornamental Plants. Linville, N. C.

tive ratio. Soja Hispida makes a good quality of silage and is much relished by stock. It develops very little acid in the process of ensilaging.

Of course the beans will never become popular or meet with any demand for use as a coffee substitute. Seed of soja hispida can be procured of reliable seedsmen, in quantity, at a very moderate rate, and at 15 or 20 cts. per pound from any seedsman.

There is no need spending large sums in testing this plant and so-called wonder, as it is no new thing, and has already been tried at most of our Expt. Stations.

This is only one of the many impositions that are being perpetrated on our people; let them touch them cautiously.

Very respectfully,

H. J. PATTERSON.

For the Maryland Farmer.

# THE DOMESTIC COFFEE BERRY ?

Soja Hispida.

Md. Agr'l Exp. Station,  
Oct. 25th, 1892.

Editor Maryland Farmer:

Enclosed herewith is a copy of a letter from R. J. Redding, Director of the Georgia Exp. Station, which explains itself.

Soja Hispida is a Japanese bean or pea. It has been grown at this Station quite successfully as a forage plant; but it is doubtful if it would prove a paying crop, in this section, to grow for the beans. The forage contains a relatively high percentage of nitrogen, and is a valuable plant to mix with corn fodder for making silage, in order to increase the nutri-

Georgia Experiment Station,  
Oct. 13th, 1892.

Director Md. Agr'l Expt. Station,  
College Park, Md.

Dear Sir:—This Station has just received from one "C. E. Cole, Buckner, Mo." a parched and ground sample of what he calls "Cole's Domestic Coffee Berry," accompanied by a printed *dodger*, setting forth the merits of this *wonderful "berry"* in graphic style, and supported by numerous "testimonials." He offers seed for sale at fabulous prices: \$3.50 per pound, in large quantities, 25 cts. per hundred seeds, in small quantities.

I presume each Station will receive, or has received a similar sample and dodger. Fortunately [perhaps] I received a few days earlier, through the *Southern*

*Cultivator*, a package of the "Coffee," together with a specimen plant in full fruit. The plant is simply a common variety of *Soja Hispida*, or *Japan Pea*, so well known to many of the Stations, and the seed of which are abundant and comparatively cheap.

On the principle of *The Golden Rule*, I write to put you on your guard against this *imposition*, and suggest that you "hand it around" among your farmers, as I expect to do in this State.

Very truly,

R. J. REDDING, *Director*.

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For The Maryland Farmer.

#### SEASON FOR CAPONS.

There is no good reason at the present day why there should be any particular season, or time, for Capons.

They can be produced, or made ready for market, and should be supplied to the public from our markets at all seasons of the year.

Custom to a certain extent controls everything of this kind and up to the present time, or within a year or two, it was supposed and taken for a fact that Capons could only be had during the months of February, March and April.

There was a good reason for this idea becoming a universal belief; and there is little doubt that up to within a year or two good Capons could only be found for sale during those months for this reason: Until the present time in the United States, with a few exceptions in Louisiana, Capons were only produced by a few poultry raisers in New Jersey. Located as they were right in the centre of the four big markets of New York,

Philadelphia, Baltimore and Washington, they were first to see the demand that existed and the big profits in making Capons, and were not long in producing the same.

The markets and commission houses of Philadelphia being the most accessible to them, they naturally sent their capons there to be disposed of, and for this reason, and this alone, the names "Philadelphia" and "New Jersey" became identified with the Capon; and as a result we have become accustomed to seeing on the menus of our leading hotels, "Philadelphia Capons"—"New Jersey Capons," and many of the people have looked forward to the Capon season.

This only goes to show what custom and habit will do; and I not only affirm that there is no particular season for Capons, that they can be supplied all months in the year; but also that the production is not confined to any particular locality; but they can be grown successfully, north, south, east and west; and I have ample evidence in the form of my correspondence to unquestionably prove the same.

I think I can do a kindness to all people who are interested in poultry to disabuse their minds of such matter and can put many dollars in their pockets, if I can induce them to practice caponizing.

The Capon requires just so many months to mature his growth and reach his best condition for a roaster. But at the same time as it is desired to dispose of him earlier, there is no question but that his quality is very much improved and his weight largely increased; but he will never be at his best, plumply



filled out and fat, until he has ceased to grow in size—reached his maturity—which will require from twelve to fourteen months from his birth.

However at ten months, if your birds have received careful attention, been well fed, cared for and pushed along, they will be in very good condition for market.

From this time on they will continue to improve; and such birds can be kept for market for six months, growing better all the time, thus showing that there is no especial season for Capons.

You say it will cost heavy to feed them. Not so. After a Capon is of this age he eats but very little and it would not cost twenty cents to keep one four months.

Another reason why the "Season for Capons" got its name is that the supply from New Jersey was so limited that in a month or two it was exhausted; and as our market men could get no more birds, they would tell their customers the "season" was over. Now if the poultry raisers all over the country would caponize their cockerels, this state of affairs would not exist and Capons would be for sale every month in the year.

The high price they bring would be sufficient encouragement for the producer to "hold on" to his stock until ready to sell and he would not feel obliged to rush them into market in the fall or winter as he does his cockerels to prevent them from eating their heads off.

They would become the same to him as an animal that would be growing or fattening. Every day adds to their weight with but little cost.

In this way the Southern States would supply the Capons for fall and early winter, the Middle and Southern States

for early spring and summer—thus giving Capons the year round.

There would be no "season" for Capons. They could be found in our markets every day in the year, and our poultry raisers would be many dollars better off. I shall send a lot of printed questions and answers on the subject of Capons to anyone who will send stamps for postage.

GEORGE Q. DOW.

North Epping, N. H.

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#### A Butterfly Farm.

One of the oddest industries in the State of Pennsylvania is a butterfly farm near Montrose. Frederick Newhart, who is a man sixty years old, has at least eighty thousand butterflies. He has a quarter of an acre of ground enclosed with a fine wire netting, eight feet high. This is one huge flower bed, only with patches of grass here and there, and several large pools of shallow water with wide, muddy edges. Here the great army of bright-winged butterflies are kept.

There are many varieties, probably fifty different kinds.

In one corner of the garden is a glass house for winter quarters.

Fewhart lives alone, and having considerable property, keeps butterflies as a mere fad.—*Wyalusing Rocket*.

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The National Farmers' Congress, composed of delegates appointed by the Governors of the several States, meets this year November 22nd, and 23d, at Lincoln, Neb.

**St. Nicholas for Young Folks.**

John G. Whittier long ago wrote of St. Nicholas. "It is little to say of this magazine that it is the best children's periodical in the world." Edward Eggleston, the author of "The Hoosier Schoolmaster," says of it, "There is not one of the numbers that does not stir the curiosity, inform the memory, stimulate thought, and enlarge the range of the imagination." Founded in 1873, and from the first number edited by Mary Mapes Dodge, St. Nicholas is now entering upon its twentieth year. The most famous writers have contributed to its pages in the past, but never has its editor been able to offer a more distinguished list of contributors than for 1893.

There is to be a series of illustrated papers on "The leading Cities of the United States,"—the story of each city told by a prominent resident. Edmund Clarence Stedman will write of New York; Thomas W. Higginson, of Boston; New Orleans will be described by George W. Cable, and Baltimore by President Gilman, of the Johns Hopkins University. Dr. Lyman Abbott will tell the story of Brooklyn, and other cities will be treated by other famous men. There will be articles on the World's Fair, and a number of pages of funny pictures and humorous verses.

Mrs. Kate Douglas Wiggin, the well known author of "The Birds' Christmas Carol," etc., will contribute the leading serial for St. Nicholas, during the coming year. The November number opens with a three page poem by John G. Whittier, which has in it some of the most beautiful lines the good Quaker poet has ever written, describing the visit of a party of young girls to his home.

The School Journal says; "Place St. Nicholas in your household, and you need have no fears for the lessons taught your children." The magazine is the greatest aid that the teacher and the conscientious parent can possibly have. It entertains, and at the same time educates and instructs. The subscription price for St. Nicholas and the Maryland Farmer is \$3. a year. Remittances to be made to the Maryland Farmer, 213 N. Calvert Street, Baltimore, Md.

**The Century Magazine In 1893.**

It would be hard for a person who cares for good reading to make a better investment than a year's subscription to The Century Magazine. No region is too remote no expense too great, if it will only produce what the Century's want. This is the policy that has made it, as the Pall Mall Budget, of London, says: "By far the best of the magazines, English or American."

The November number begins a new volume and contains the first chapters of a powerful novel of New York society, called "Sweet Bells Out of Tune," written by Mrs. Burton Harrison, the author of "The Anglomaniacs." In this story the fashionable wedding, the occupants of the boxes in the Metropolitan Opera House, the "smart set" in the country house are faithfully reflected, and the illustrations by Charles Dana Gibson "Life's" well known cartoonist, are as brilliant as the novel.

In this November number begins also a great series of papers on "The Bible and Science," opening with "Does the Bible contain Scientific Errors," by Prof. Shields, of Princeton. Other articles in this series will include one in the December (Christmas) number, "The effect of Scientific Study upon Religious Beliefs."

An important series of letters that passed between General Sherman and his brother Senator John Sherman are also printed in November, which number contains also contributions from the most distinguished writers, including an article by James Russell Lowell, which was not quite completed at the time of his death. The suggestion which Bishop Potter makes in the November Century as to what could be done with the World's Fair if it were open on Sunday, is one which seems the most practical solution of the problem yet offered.

Four dollars will bring you this splendid magazine and the Maryland Farmer both for one year. Subscribers must remit to the Maryland Farmer, 213 N. Calvert Street, Baltimore, Md. They should begin with November, and so get first chapters of all the serials, including "Sweet Bells Out of Tune."

Compiled for the Maryland Farmer.

### MARYLAND ITEMS.

Messrs. McClusky & Co., of Frankford, Del., have decided to erect a factory at Berlin, Md., for the manufacture of Berry Baskets, Butter Trays, etc. This factory will employ about 150 hands. The building will cost about \$5000. Messrs. John R. Purnell, Zadok P. Henry, John W. Pitts, and Thomas G. Hanley are the Berlin Directors of the Company which is known as the Berlin Improvement Company.

The First National Bank of Snow Hill, has a deposit line of \$135,546.60; loans and discounts \$146,023.89; capital stock \$50,000; surplus and undivided profits \$10,053.03.

Mt. Airy on the line of the Baltimore and Ohio R. R. is experiencing a building boom.

The United States Investor, 241 Chestnut St., Philadelphia, Pa., has decided to offer \$1000. in prizes for essays of not more than one column each respecting American Cities and Towns. \$500. for the best essay. \$300. for the second best and \$200. for the third best. All essays which are intended for competition should be marked as such and forwarded to their office. Let some of our Maryland writers compete for the prize.

The total expenses of Baltimore County for the year ending May 1892 were \$350,743.21.

Send \$1.00 for one year's subscription to the Maryland Farmer. You will not regret it.

Citizens of Myersville are proposing a Turnpike road from South Mountain through Myersville and Harmony, to intersect the Frederick Turnpike at Shookstown.

Pocomoke River, which traverses Wicomico and Worcester counties, is to be re-surveyed and dredged. For years the river has been blockaded with cyprus logs and drift-wood.

The Susquehanna River above tide water has never been known to be as low as it is now.

The Elkton Gas Light Co. has reduced the price of Gas to \$2.00 per thousand feet. It is intimated that a further reduction will be made during the coming year.

Mountain Fires have been raging on the Western side of the Blue Ridge.

The Kent News during the Hill murder trial published a Daily Edition.

Hon. Geo. M. Upshur a prominent lawyer of Snow Hill has moved to Baltimore.

The Midway Culvert Pipe and Terra Cotta Company, is the name of a new enterprise to be started at Oak Crest. It will manufacture vitrified sewer and Culvert Pipe and unglazed fire proof building material, as well as electrical conduits, chimney linings and flues. Capital Stock 75,000.

Mr. R. Harry Webster has been elected Cashier of the Aberdeen National Bank.

It cost \$134,817.50 to run Frederick County for the year 1892.

Mr. S. N. Hyde of Long Green Valley, Md., has packed 20,000 cases of his celebrated Sweet Egyptian Corn this season.

Mr. Finley Seibert, of Clear Spring district, Washington Co., has an exceptionally thrifty Apple tree, the fruit of which resembles a rambo and about the same size. One small branch had a cluster of twelve well formed apples measuring twenty inches in circumference fastened to the branch inside of five inches in length. It looked like a big foot ball.

The average yield of wheat per acre in Maryland in 1892 stated by the U. S. Dep't. of Agriculture October report was 13.0; Rye 11.3; Oats 17.5; Barley 20.5.

The National Bank of Elkton, has individual deposits of \$198,646.28; demand certificates \$179,427.42; loans and discounts \$366,569.50; capital stock \$50,000.00; surplus and undivided profits \$62,295.00.

Extensive improvements are being made on the Baltimore Sugar Refinery at Curtis Bay. The new work will cost from \$250-



000 to 300,000. It is thought the plant will be in operation early next year.

It is proposed to open Wilkins Avenue from the Rolling Road to Orange Grove Station, a distance of  $3\frac{1}{2}$  miles. This improvement will add considerable to the taxable basis of Balto. Co.

It is stated on good authority that the Baltimore & Lehigh Railroad will be broad gauged within the next twelve months.

Hon. Herman Stump has returned from Europe, and is again settled at his country residence, Waverly, near Bel-air.

Mr. R. Q. Taylor, of Baltimore, was the guest of Mr. D. C. Winebrener, of Frederick, during the big fair.

The Deer Creek Farmers Club held its October meeting at the home of Robert F. Hanna near Fountain Green. D. C. Wharton Smith, President, was in the Chair, with R. Harris Archer, Secretary. The active members present were, Wm. D. Lee, D. P. Moores, John Moores, Thomas Cochary, T. E. Swartz, Wm. B. Hopkins, James F. Kenly, Robert F. Hanna. The subject for discussion was Roads, Bridges and Taxes. The next meeting of the Club will be held at the residence of Mr. F. W. Baker.

Baltimore & Ohio directors declared a  $2\frac{1}{2}$  per cent dividend on Common Stock and 5 per cent on Washington Branch stock at a meeting held at the Central Building October 19th.

Forest Fires have been raging around Salisbury and vicinity to a great extent. In the neighborhood of Fruitland and Allen, hundreds of cords of wood have been destroyed. Fire has spread also to the great Cyprus Swamp, where it is stated 6000 acres have been burned over.

The Fallston Farmers' Club met Saturday October 29th, at Salem the home of Mr. D. P. Hollingsworth. All the members were present except two.

Messrs. E. J. Farber, John Hubner, Victor Bloede, Geo. H. Rohe and John S. Wilson,

have applied to the United States Comptroller of the Currency for permission to establish the "Home National Bank of Catonsville," at Catonsville, Baltimore, County.

The Frederick City Lime Company, Limited with a Capital of \$15,000, has been recently formed by the following Incorporators. Peter E. Bussard, Hamilton Lindsay, Chas S. Bussard, W. H. Blentlinger, Joseph W. Garver, Jos. H. Bussard and Wm. Wilcoxon. 50 Acres adjoining Frederick on the B. & O. underlaid with choice Lime rock has been purchased. Lime Kilns are now being erected.

Wm. G. Ford has been awarded \$1,075 for four Acres of land at Van Bibber Station Harford County required for the Balto & Ohio R. R.

A supposed contagious disease among horses has manifested itself in the neighborhood of Centreville, Queen Anne County, Dr. Robert Ward, State Veterinary Surgeon, has been notified and is now making an investigation in connection with Prof. F. C. Wrightson, of the Live Stock Sanitary Board.

The next annual Fair of the Frederick Co. Agricultural Society will be held October 10, 11, 12, and 13, 1893.

The Wheat crop in Frederick County this year amounted in the aggregate to about 1,500,000, or about 300,000 bushels less than last year.

Mr. Balderson a Civil Engineer has recently been at Friendship, Anne Arundel Co., examining the condition of the grading done on the Drum Point Road. It is stated that there is a prospect of the road being purchased by the Richmond and Danville or Baltimore and Ohio Systems.

A Fire at Timonium Fair Grounds, Baltimore County, caused a loss of \$3000.

The Fire Clay Company at Glen Burnie, is making a first class roof tiling.

Mr. T. C. Wood of the Columbia Athletic Club of Washington, has broken the record from Baltimore to Washington. He made the distance on a Bicycle in 3 hours 30 min.

**BOOKS, CATALOGUES, &c.**

The 30th Annual Report of the Michigan State Board of Agriculture is a fine Octavo volume of almost 700 pages. This report includes a full digest of the doings of the Agricultural College and Experiment station, doings of the Board of Agriculture, of the State Agricultural Society, and an exhaustive account of the Flora of Michigan, with general and special index for reference.

From the Rural Publishing Co., New York, we receive the new edition of the Horticulturist's Rural Book, completed to the beginning of 1892. It is filled with condensed information for everyone who cultivates from a rod of garden to a liberal farm. We have examined it with pleasure and profit.

Peter Henderson & Co., New York, send us their beautifully illustrated catalogue of Plants, Bulbs and Seeds for flowering in Winter and Spring—Autumn planting.

Part I. of Transactions of the Massachusetts Horticultural Society for 1892 contains excellent dissertations and discussions on the prominent topics of the day, such as Road Making, Fungus Diseases, Preserving Fruit, Arbor Day in Schools, Sewage Irrigation, Insects, the new Orcharding, etc. It will repay study.

The Cornell bulletins, 2d on Electro Horticulture and on the Winter Blight of forced Tomatoes, are decidedly worthy the attention of those interested.

Philip Meyer's Scheme, a story of Trades Unionism, by L. A. Hedderley, J. S. Ogilvie, New York, 25 cents. This is an interesting novel aside from the sub-

ject, which is of course just now of popular interest. The Millenium of workmen is shadowed forth in the closing chapters.

Tomato Culture, A. I. Root, Medina, Ohio. This is a book of 135 pages, with abundant illustrations and with a large fund of information relating to the subject of Tomato Culture. It is also supplied with an excellent index—price 25c.

Reports of the Consuls of the U. S. July and August.

Griffith, Turner & Co's Catalogue of Bulbs, 1892, Baltimore, Md., with illustrations, prices and directions for culture. Free.

Weather Bureau, bulletin No. 4. "Some physical properties of soils in their relations to Moisture and crop distribution," by Milton Whitney.

The first number of "The Whole Family," a monthly periodical has been received from the Russell Pub. Co., Boston, Mass. It contains a large amount of interesting reading on topics for the whole family, and at the small subscription price of 60c a year.

Phantom Days by Geo. T. Welch received from the press of J. S. Ogilvie, New York, 50c.

P. J. Berckmans, Augusta, Ga., sends us an illustrated and descriptive catalog of fruit trees, ornamental plants, evergreens, flowers, &c. Its beauty will justify those in need to send for it.

A pamphlet from Rich'd Walzl, whose Palace of Photography on Franklin and Eutaw sts. is so well known to our readers. It is embellished with artistic beauty, displaying also his beautiful residence

on Cedar Heights. He has made Cedar Heights almost classic ground with Baltimoreans, and we all know him, also, by his "picturesque Relay," for which he has done so much.

William Parry, Parry, N. J., Pomona Nurseries, sends us a handsomely printed catalog with rich illustrations of fruits, nuts, grapes, ornamental trees, etc. Mr. Parry is an old friend of our readers.—Send for the catalog.

---

### The Question That Is Agitating the Minds of the Scientists To-day.

A Very Important Matter for at Least  
12 1-2 per cent of Human Belongs.

"The subject of rupture," says Dr. Leonard, formerly Professor of Anatomy in the Washington University, "is of much more importance to mankind than is generally supposed. It is estimated that one man in every eight, and one lady in every twenty is affected with Hernia, and every person so affected is liable at any moment, and without warning, to have a strangulation of it produced. How serious, then, is this matter to the sufferer? Any deviation from the ordinary course of life, change of weather, or diet, excitement—whether mental or physical—or unusual exertion, may at any moment produce strangulation. They dare not run, jump, ride or move, except by a measured step, lest they accelerate their doom. It is also exceedingly insidious in its attack, producing little or no alarm until the mischief has become almost irremediable. Even the physician's suspicions are oftentimes lulled into the belief that his patient has only an attack of colic, and before he is aroused the fatal die is cast, and to his dismay he finds that he has to deal with a strangulated rupture.

Sir Astley Cooper says: "A small Hernia is more easily strangulated than a large one."

Dr. Warner says: "It must be born in mind that of Hernia of the same size, an old one is more easily strangulated than a re-

cent one, although in the latter the symptoms are more dangerous and fatal."

#### IS THERE A CURE FOR RUPTURE?

Some physicians say no: others who have investigated more thoroughly, say yes; especially those who have been to the

#### BALTIMORE HERNIA INSTITUTE

The method of cure, though comparatively a recent discovery, has been investigated and endorsed by some of the most eminent physicians of our country. The treatment is mild, yet effective, having successfully cured cases from the ages of six months to eighty years of age. The

#### BALTIMORE HERNIA INSTITUTE

cures in from two to five weeks without the knife, and without detention from business, pleasure or labor. The treatment causes the development of newly organized tissue which permanently closes the opening through which the intestines pass, enabling the patient to dispense with the truss forever. In the large number of cases treated to date, there have been no unfavorable results, as many of Baltimore's most prominent men will testify. When we say prominent men, we mean druggists, physicians, bankers, merchants, etc., in whom you can rely for any statement they make.

The Baltimore Hernia Institute is located at 301 North Charles street, rooms 15 and 16. A thorough investigation requested by the directors of the company, some of whom have experienced the effect of the treatment on themselves.

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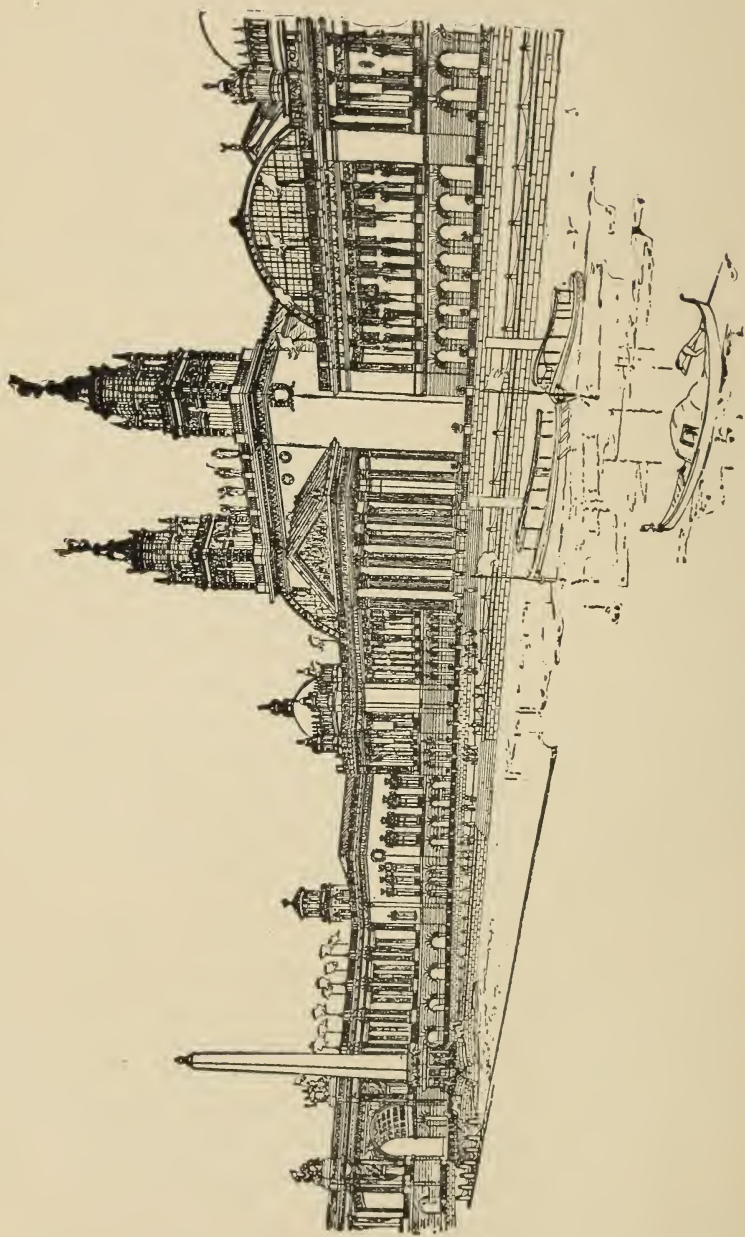
Flies have been accused of spreading disease, but it is now asserted from Havana that Mosquitoes have a use; for if they inoculate any one after biting a yellow fever patient, the disease which follows is so mild that fatal results are rare.—*English Mechanic*.

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Ripans Tabules cure jaundice.

Ripans Tabules: one gives relief.





MACHINERY HALL.

## WORLD'S FAIR DEPARTMENT.

A. W. LYMAN, EDITOR IN CHARGE.

**MACHINERY HALL.**

Machinery Hall, of which Peabody & Stearns, of Boston, are the architects, has been pronounced by many architects second only to the Administration Building in the magnificence of its appearance.— This building measures 800x500 feet, and with the Machinery Annex and Power House, cost about \$1,200,000. It is located at the extreme south end of the Park. It is just south of the Administration Building, and west and across a lagoon from the Agricultural Building. The building is spanned by three arched trusses, and the interior presents the appearance of three railroad train houses side by side, surrounded on all the four sides by a gallery fifty feet wide. The trusses are built separately, so that they can be taken down and sold for use as railroad train houses. In each of the long naves there is an elevated traveling crane running from end to end of the building for the purpose of moving machinery. These platforms are built so that visitors may view from them the exhibits beneath. The power for this building is supplied from a power house adjoining the south side of the building.

**Bicycles.**

One of the largest bicycle factories in America has written that it will exhibit at the Fair "bicycles and tricycles of every style of the trade, showing the rise and progress of the art of making wheels, from the first 'bone shaker' built in this

country up to the highly finished 'safety' of the present day."

**Clay Working Machinery.**

The National Brick Manufacturer's Association has appointed a committee of five to secure an international exhibition of Clay Working Machinery for the World's Fair, and the committee has issued an address inviting the views of the trade.

**Fine Exhibits of Pottery.**

The United States Pottery Association intends to make a big exhibit at the Fair and will make an effort to show that foreign pottery is no better than the domestic product.

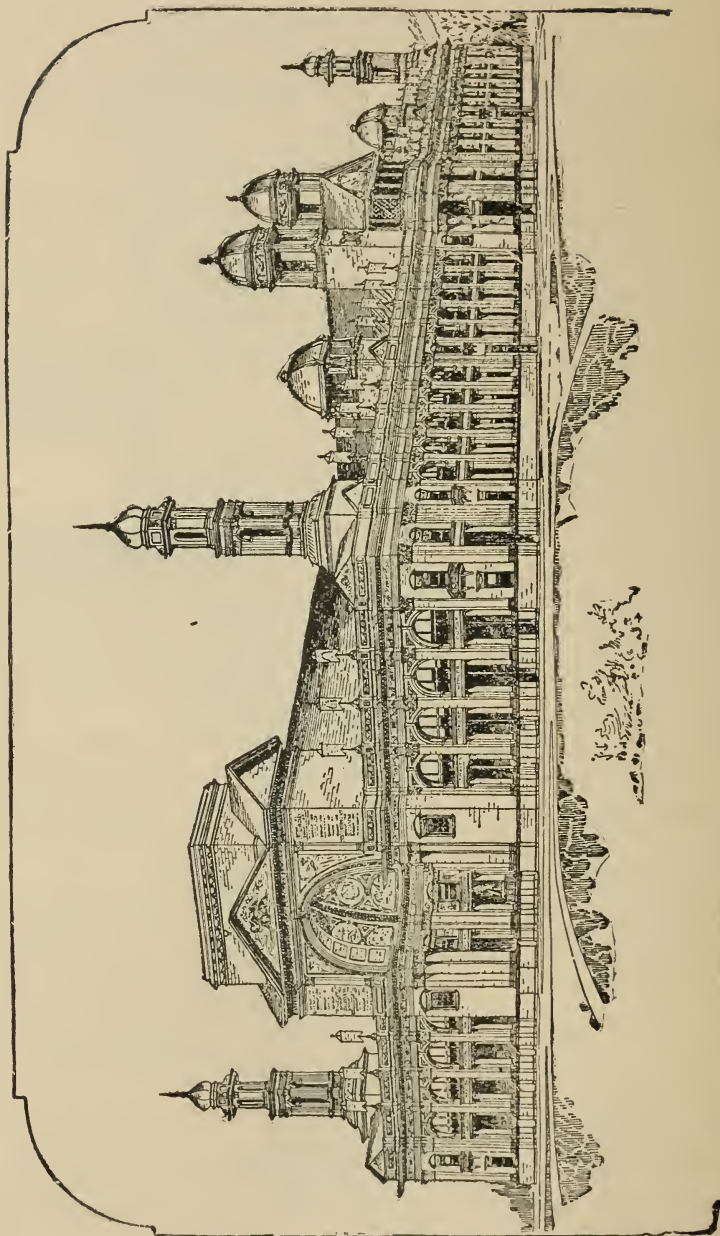
The World's Fair Committee of the Association has informed Chief Allison, that a display will be made at the Exposition of such quality as to suit the most refined taste.

All potters were asked to be present at a meeting of the association, which was called for January 12, at the Grand Pacific Hotel, Chicago.

The association has asked for 32,000 square feet of floor space.

**Furniture.**

The Furniture Manufacturers of Chicago have taken steps to make a collective exhibit in their line. They promise that it will open the eyes of visitors.



THE ELECTRICAL BUILDING.



**THE ELECTRICAL BUILDING.**

The Electrical Building, the seat of perhaps the most novel and brilliant exhibit in the whole Exposition, is 345 feet wide and 700 feet long, the major axis running north and south. The south front is on the great Quadrangle or Court; the north front faces the lagoon; the east front is opposite the Manufactures building, and the west faces the Mines Building.

The general scheme of the plan is based upon a longitudinal nave 115 feet wide and 114 feet high, crossed in the middle by a transept of the same width and height. The nave and the transept have a pitched roof, with a range of skylights at the bottom of the pitch, and clearstory windows. The rest of the building is covered with a flat roof, averaging 62 feet in height and provided with skylights.

The second story is composed of a series of galleries connected across the nave by two bridges, with access by four grand staircases. The area of the galleries in the second story is 118,546 square feet, or 2.7 acres.

The exterior walls of this building are composed of a continuous Corinthian order of pilasters, 3 feet 6 inches wide and 42 feet high, supporting a full entablature and resting upon a stylebate 8 feet 6 inches. The total height of the walls from the grade outside is 68 feet 6 in.

At each of the four corners of the building there is a pavilion, above which rises a light open spire or tower 169 feet high. Intermediate between these corner pavilions and the central pavilions on the east and west sides, there is a subordinate pavilion bearing a low square dome upon an open lantern.

The Electricity Building has an open portico extending along the whole of the south façade, the lower or *Ionien* forming an open screen in front of it.—The various subordinate pavilions are treated with windows and balconies. The details of the exterior orders are richly decorated, and the pediments, friezes, panels and spandrels have received a decoration of figures in relief, with architectural motifs, the general tendency of which is to illustrate the purposes of the building.

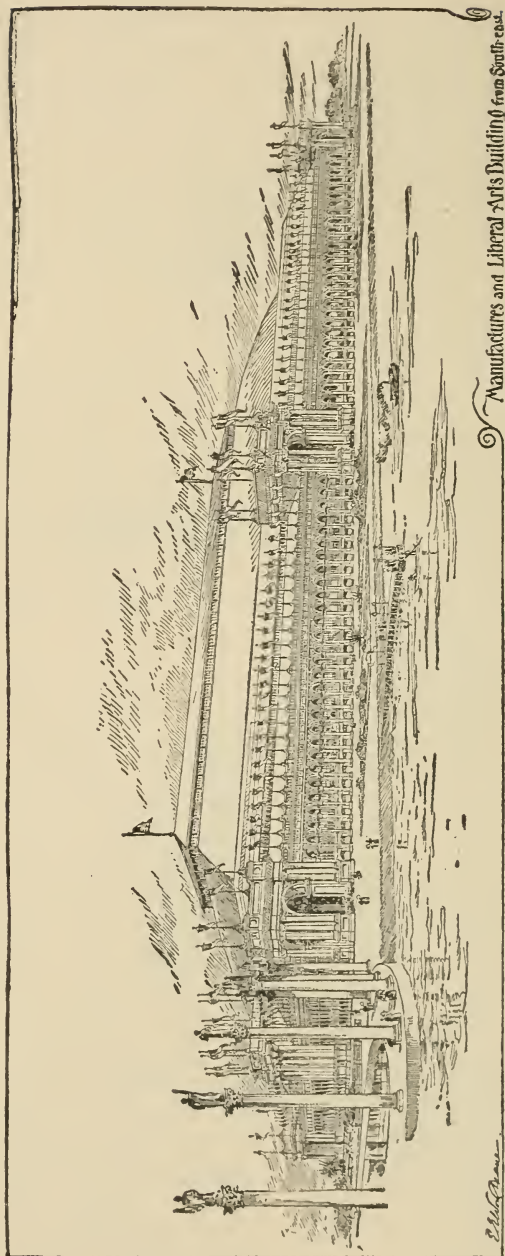
The appearance of the exterior is that of marble, but the walls of the hemicycle and of the various porticos and loggia are highly enriched with color, the pilasters in these places being decorated with scagliola, and the capitals with metallic effects in bronze.

Van Brunt & Howe, of Kansas City, are the architects. The cost is \$375,000.

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**Edison at the Fair.**

Thomas A. Edison, the famous electrician, has applied for 35,000 feet of space, or about one seventh of all that the Electricity Building contains. "I have it from Mr. Edison himself," said Chief John P. Barrett, "that his display at the Fair is to be the greatest achievement of his life. In talking of his application for space Mr. Edison admitted that he was asking for a large section of the building; 'but every inch will be put to good purpose,' he added. 'I shall not waste a foot of the area assigned to me, but will present a series of the most interesting electrical inventions ever produced.' I happen to know," Professor Barrett added, "that Mr. Edison is doing just as he says. He is making an almost



Manufactures and Liberal Arts Building from South-east.

innumerable list of novel and spectacular exhibits. Other electricians are not idle. We are already crowded for space in our building, and if the demand continues as it has begun I don't know how we will accommodate all the exhibitors.

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#### Manufactures and Arts Building.

Notable for its symmetrical proportions, the Manufactures and Liberal Arts Building is the mammoth structure of the Exposition. It measures 1,687 by 787 feet and covers nearly 31 acres, being the largest Exposition building ever constructed. Within the building a gallery 50 feet wide, extends around all four sides, and projecting from this are 86 smaller galleries, 12 feet wide, from which visitors may survey the vast array of exhibits and the busy scene below. The galleries are approached upon the main floor by 30 great staircases, the flights of which are 12 feet wide each. "Columbia Avenue," 50 feet wide extends through the mammoth building longitudinally, and an avenue of like width crosses it at right angles at the center. The main roof is of iron and glass and arches an area 385 by 1,400 feet, and has its ridge 150 feet from the ground. The building including its galleries, has about 40 acres of floor space.

The Manufactures and Liberal Arts Building is in the Corinthian style of architecture, and in point of being severely classic excels nearly all the other edifices. The long array of columns and arches, which its facades present, is relieved from monotony by very elaborate ornamentation. In this ornamentation female figures, symbolical of the various

arts and sciences, play a conspicuous and very attractive part.

The exterior of the building is covered with "staff," which is treated to represent marble. The huge fluted columns and the immense arches are apparently of this beautiful material.

There are four great entrances, one in the center of each facade. These are designed in the manner of triumphal arches, the central archway of each being 40 feet wide and 80 feet high. Surmounting these portals in the great attic story ornamented with sculptured eagles 18 feet high and on each side above the side arches are great panels with inscriptions, and the spandrels are filled with sculptured figures in bas-relief. At each corner of the main building are pavilions forming great arched entrances, which are designed in harmony with the great portals.

The building occupies a most conspicuous place in the grounds. It faces the lake, with only lawns and promenades between. North of it is the United States Government building, south the Harbor and in-jutting lagoon, and west the Electric Building and the lagoon separating it from the great island, which in part is wooded and in part resplendent with acres of bright flowers of varied hues.

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#### Peruvian Antiquities.

Emilio Montes writes from Peru and makes a proposition to forward to the Exposition a museum of Peruvian antiquities, which by several archæologists is considered the best in the world and which was mentioned by Charles Weiner



in his book called "Peru and Bolivia," and by Mr. Orton, an American archaeologist, who traveled in Peru and Bolivia some years ago. The writer says that a room or pavilion to be built or rented at the Exposition could be fitted up and equipped in the style of the Incas, decorating it in the interior with the greatest possible luxury.

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5 et. music a speciality.

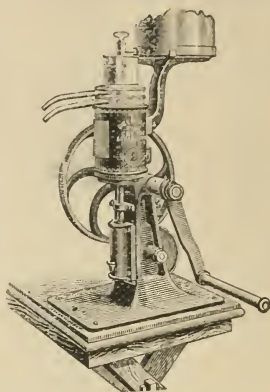
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Ripans Tabules cure liver troubles.  
Ripans Tabules cure headache.  
Ripans Tabules : for sour stomach.

## De Laval Baby Cream Separator.



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that will repay 100  
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with ten or more  
Cows.

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## THIS CHAMPION ROAD WAGON \$30.

A Light Delivery, Market or Business Wagon,  
2 Seated Family Wagon, \$36  
Best Road Cart Made, 15  
A Good Strong Road Cart, 10  
Top Buggy with Shafts, 55  
1000 lb. Wagon Scale, 40  
500 lb. Platform Scale, 15  
A Neat Buggy Harness, 7  
4 lb. Family or Store Scale, 1  
1000 Useful Articles at Half Price, include Scales, Saws, Sewing  
Machines, Buggies, Wagons, Harness, Blacksmiths Tools. List Free.  
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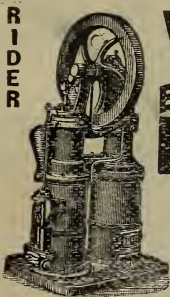
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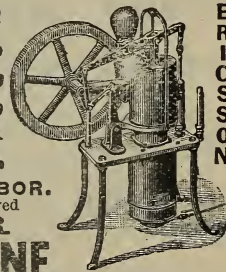
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Premiums for Agricultural Fairs, Fine Bronzes, Opera Glasses, Shell Jewelry, &c.

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SUCCESSOR TO THE

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**ROLAND** ❖ **Plow** **Works.** ❖

Owing to the Belt Line Railroad going through the premises that we have occupied so many years, we were compelled to move. The undersigned, as successor to the

**ROLAND PLOW WORKS**

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**BALTIMORE PLOW CO.,**

Has taken the commodious Warehouse

**No. 220 W. CAMDEN STREET,**

Where he will carry a full stock everything formerly sold by his predecessors.

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**Chilled**  
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**Farmer's Friend**



And any other Plow that has been made in Baltimore during the past fifty years.

*We make a full line of repairs for same, and also, for the Oliver Chilled Plow.*

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**WINDOW SASHES, BLINDS & DOORS**

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OUR STOCK COMPRISES Window and Door Frames, Sash Weights and Cords, Hand Rails and Balusters, Newel Posts, Porch Trimmings, Cornice, Porch and Stair Brackets, Door Jambs, Ornamental Glass, Builder's Materials, Store Fronts, Bay Windows, &c. &c. Orders for Lime, Flooring, Shingles, Laths and Lumber of all kinds filled promptly at lowest Market Rates.

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Our tickets include a first-class fare from Baltimore to Chicago and return, transportation of self and baggage from depots and hotels, six days' first-class board and lodging, six admissions to the Fair, with lunch on the grounds—and all for the sum of \$55.00. Tickets can be secured upon the payment of \$6.00, the balance payable on instalments or all at one time, as the purchaser may desire. If at any time you should decide not to go, all money will be refunded, less the payment of \$6.00 retained for expenses.

We would be pleased to have you call or correspond with us before making arrangements for the purchase of tickets, as we could then more fully explain the merits of our Company. The list of references are sufficient to warrant the reliability and standing of the Company.

### MAYOR LATROBE TO MAYOR WASHBURNE.

Baltimore, Md., Feb. 13th, 1892.

Hon. Hempstead Washburne, Mayor of Chicago:

DEAR SIR:—As many of our people are disposed to avail themselves of the means placed before them by the "World's Fair Trust Fund Transportation Company" of your city, I will be obliged if you will kindly inform me whether this is a responsible corporation or not, and oblige,

Yours truly,

WILLIAM H. LOVE, *Secretary to the Mayor.*

### City of Chicago, HEMPSTEAD WASHBURNE, Mayor.

Chicago, February 16, 1892.

W. H. Love, Esq., Secretary to the Mayor, Baltimore, Md.

Dear Sir:—In response to yours of February 13th, to the Mayor, I beg to say that the World's Fair Trust Fund Transportation Company is duly incorporated under the laws of the State of Illinois, and the directors of the same are business men of this city. Judging from their Standing I have no doubt the Company is reliable.

Yours very truly, E. LOUIS KUHN, *Private Secretary.*

Agents Wanted in every town in Maryland.

A. W. LYMAN, *Maryland Agent,*

132 East Fayette Street, Baltimore, Md.

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CREOSOTE OIL  
BEST PREVENTIVE  
AGAINST ROT OF POSTS  
—OR—  
TIMBER IN THE SOIL  
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CARBOLIC ACID  
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CHEAP AND EASY TO APPLY.

BLACK GLOSS VARNISH, the Best and Cheapest Paint for Preserving Wood or Metal  
Send for Prices and Information.

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## CUPOLA, FURNACE AND STOVE BRICK.

Steam Boilers and Pipes covered.

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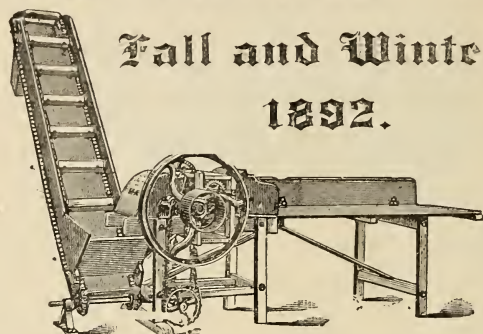
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Fall and Winter  
1892.



*To Farmer and Dealer:*

We earnestly desire your attention to the

## Hocking Valley Hand and Power Cutters and Horse Powers.

While no one knows better than ourselves that every dealer claims his Machine the best made, and we fully appreciate the fact that there are many Good Cutting Boxes on the market, yet we have such full and complete confidence in our claim, that none contain so many improvements as the **HOCKING VALLEY**, that we cheerfully invite order, subject to full trial, **or working competition with any cutter made**, and in case of not fulfilling our claims of superiority in points of ease of running and greater capacity, size for size, agree to refund purchase money.

For a general purpose Hand Cutter, especial attention is directed to the **No. 3 BOSS**. The "**KOKOSING**" meets the requirements of a cheaper and at the same time well made machine.

We keep full stock of all sizes, as follows:—

HAND LEVER CUTTER,	.....	\$ 4.50.
NEW PATTERN DEERFIELD "BALANCE" LEVER CUTTER,	..	5.00.
KOKOSING, 11 inch knife, hand cutter,	.....	15.00.
BOSS, 8 inch knife, hand cutter,	.....	20.00.
BOSS, 11 " " " "	.....	25.00.
BOSS, 13 " " " or power cutter,	.....	30.00.
HOCKING VALLEY, No. 9, hand cutter has three 9 inch knives,	...	30.00.

		With Box.	With Ensilage Table.
Hocking Valley, No. 11,	{ hand } has four 11 in. knives,	\$45 00	\$50.00
	{ or }		
Hocking Valley, No. 13,	{ power } " " 13 in. "	60.00	65.00
Hocking Valley, No. 15,	{ power } " " 15 in. "	75.00	82 50
Hocking Valley, No. 18,	{ only } " " 18 in. "	110.00	120.00

We shall take pleasure in giving your inquiries or orders careful attention. Awaiting same, we remain,  
Yours very truly,

## BALTIMORE FARM IMPLEMENT CO.

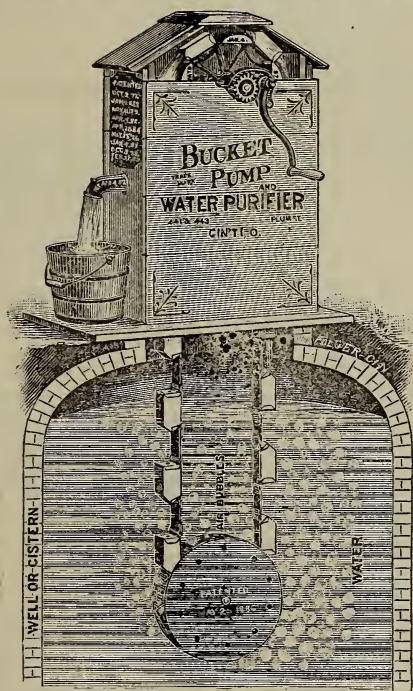
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**AND ENJOY GOOD HEALTH BY USING THE**  
**BUCKET PUMP** TRADE AND MARK. **WATER PURIFIER**  
**IN YOUR WELLS AND CISTERNS.**

**It has none of the objections common to Pumps.**

It has no wooden tubing to wear, decay and pollute the water; no iron tubing to rust; no suckers or valves to wear out; never has to be primed, packed or thawed; has no Leather, Rubber or wood in contact with the water to contaminate it, and you do not have to pump out a pailful of water to get a fresh, cool drink, for every cup goes down full of air to the bottom, and fills with cold water as the air escapes.



**PURIFIES BY AERATION.**

**Warranted to Purify a Foul Well or Cistern in Ten Days Use**  
 It will not freeze, the buckets discharging themselves, having stood the test of a Dakota winter, 38 degrees below zero, and will not rust as the chain is made of galvanized iron and steel.  
 It will draw ten gallons of water per minute, and is the simplest and most durable structure made for raising water. A ten year old boy can draw water with ease from a 60-foot well.  
 It is always at its best and ready for use. After years of service, the same number of turns of the crank brings the same amount of water as when new.

This pump is given on trial and is guaranteed to purify and keep water equal to a mountain spring (by ordinary use without chemicals.) If not found superior to any pump on earth (for domestic use) can be returned and money refunded.

**COLD MEDAL WORLD'S EXPOSITION '85.**  
**Highest Award Cincinnati Exposition '84 and Centennial '88.**

**It will make Bad Water Good and Good Water Better.**

Prof. S. F. Baird, the well-known scientist of the Smithsonian Institute of Washington, D. C., who saw it at the World's Exposition, says:—

"You can't have pure water unless you aerate it, and this device does it perfectly, and is the only pump I ever saw fit to put into a well or cistern where the water is used for drinking or cooking purposes."

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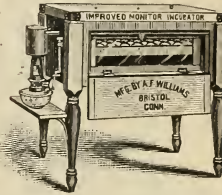
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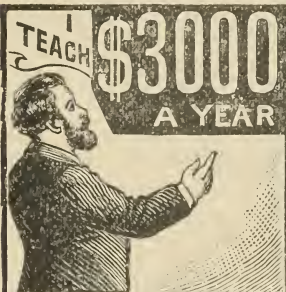
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NEW MODEL.



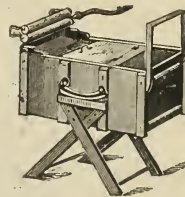
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has proved the most satisfactory of any Washer ever placed upon the market. It is warranted to wash an ordinary family washing of 100 PIECES IN ONE HOUR, as clean as can be washed on the washboard. Write for prices and full description.

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Prices moderate. The crowds, which lunch and dine daily, attest public approbation of the superior management of the house.

It is a convenient place for travellers, who stop only a few hours or a day in the city, to get their meals. It is the popular resort of country gentlemen from the counties, particularly from Southern Maryland, being convenient to Railroads and Steamboats, and in the midst of the business portion of the city.

The proprietors will be grateful for the continuance of the extensive patronage they now enjoy, and will do their best to give entire satisfaction to all visitors.

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**FIFTEEN DAYS.**  
I will send FREE to any man the prescription of a new and positive remedy to enlarge small weak organs, and sure cure for all weakness in young or old men. Cures cases of Lost Manhood, Emissions and Varicocele in 15 days; disease never returns. Enclose stamp and I will send FREE by return mail. Address  
CHAS. E. GAUS, MARSHALL, MICH.

Ripans Tabules prolong life.

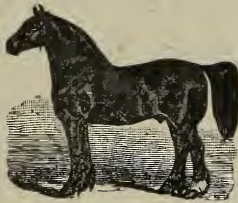
Ripans Tabules: gentle cathartic.

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### Pure Bred Live Stock Establishment

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New Importations constantly arriving.

Rare Individual Excellence and Choicest Breeding.

#### Breeders and Importers of

Clydesdales,	Standard Bred Trotters,
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French Drafts,	Saddle Horses,
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Also, Dealers in Real Estate.

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Pneumatic Cushions. Strong. Light. weight, all on, 36 Lbs. Guaranteed one Year. New Humber Diamond Frame.

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Country Work at City prices.

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**CAUTION.**—Beware of dealers substituting shoes without W. L. Douglas name and the price stamped on bottom. Such substitutions are fraudulent and subject to prosecution by law for obtaining money under false pretences.

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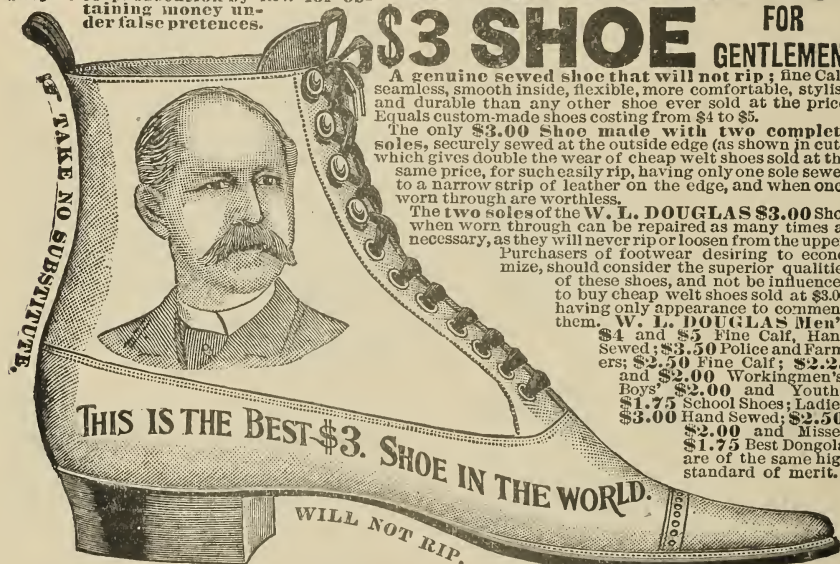
A genuine sewed shoe that will not rip; fine Calf, seamless, smooth inside, flexible, more comfortable, stylish and durable than any other shoe ever sold at the price. Equals custom-made shoes costing from \$4 to \$5.

The only \$3.00 shoe made with two complete soles, securely sewed at the outside edge (as shown in cut), which gives double the wear of cheap welt shoes sold at the same price, for such easily rip, having only one sole sewed to a narrow strip of leather on the edge, and when once worn through are worthless.

The two soles of the W. L. DOUGLAS \$3.00 shoe when worn through can be repaired as many times as necessary, as they will never rip or loosen from the upper.

Purchasers of footwear desiring to economize, should consider the superior qualities of these shoes, and not be influenced to buy cheap welt shoes sold at \$3.00, having only appearance to commend them.

W. L. DOUGLAS Men's \$4 and \$5 Fine Calf, Hand Sewed; \$3.50 Police and Farmers; \$2.50 Fine Calf; \$2.25 and \$2.00 Workingmen's; Boys' \$2.00 and Youths' \$1.75 School Shoes; Ladies' \$3.00 Hand Sewed \$2.50, \$2.00 and Misses' \$1.75 Best Dongola, are of the same high standard of merit.



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Why waste time, money and health with "doctors," wonderful "cure-alls," specifics, etc., when for a 2-cent stamp I will send FREE the prescription of a new and positive remedy for the Prompt Lasting Cure of Lost Power, Nightly Emissions, Lack of Energy, all drains and losses, varicocele, and to enlarge, strengthen and develop weak, stunted organs, from early or later excesses or use of tobacco and stimulants, lack of vigor in old or young men quickly restored.

I send this prescription FREE of charge, and there is no humbug or advertising catch about it. Any good druggist or physician can put it up for you, as everything is plain and simple. I cannot afford to advertise and give away this splendid remedy unless you do me the favor of buying a small quantity from me direct or advise your friends to do so. But you can do as you please about this. You will never regret having written me, as it cured me after all else had failed. Correspondence strictly confidential, and all letters sent in plain sealed envelope.

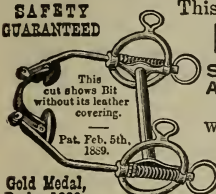
Address J. D. HOUSE, Box 564, ALBION, MICH.

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This statement is now repeated by thousands who have purchased

## BRITT'S AUTOMATIC SAFETY BIT.

**SAFETY  
GUARANTEED**



This cut shows Bit without its leather covering.

Pat. Feb. 5th. 1889.

Gold Medal,  
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This Bit, by an automatic device, closes the horse's nostrils.

**HE CANNOT BREATHE, AND MUST STOP.**

**SAFETY FROM RUNAWAYS**

**ABSOLUTELY GUARANTEED WITH THIS BIT.**

Any horse is liable to run, and should be driven with it. By its use ladies and children drive horses men could not hold with the old style bits.

Send for Pamphlet containing startling testimonials of the truly marvellous work this bit has done.



**AN ABSOLUTE CURE FOR PULLERS AND HARD-MOUTHED HORSES.**

**DR. L. P. BRITT, 37 COLLEGE PLACE, NEW YORK.**

Interesting  
To Farmers.

Cheaper than the  
Stump Puller.

**TO CLEAR YOUR LAND OF STUMPS AND BOULDERS,**

— *USE* —

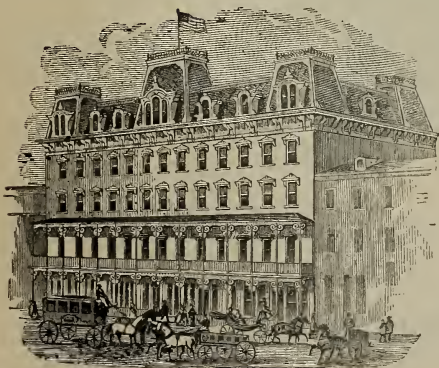
**JUDSON POWDER.**

Can Be transported and handled with perfect safety. Send for pamphlet and price list.

**ATLANTIC DYNAMITE CO.**

Orders will receive prompt attention if left with

**LEWIS D. THOMAS, 112 LIGHT ST., BALTIMORE, MD.**



**Maltby House,**  
BALTIMORE, MD.

The "MALTBY" is the only House in  
BALTIMORE conducted on both the  
**AMERICAN AND EUROPEAN PLAN.**

Its location, in the commercial centre of the city, commends it alike to the Commercial Traveller, the Tourist and Business men generally.

\$2 and \$2.50 per Day on the American  
Plan and \$1 to \$2 on the European.

Being the only Hotel in the country at the above rates, possessing all the modern improvements, including our First-Class Passenger Elevator which will be in constant operation, making all parts of the house desirable and easy of access.

**GEO. P. MOTT, Proprietor.**



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FRANK PHILLIPS, Manager Southern Branch.

BALTIMORE  
OFFICE.  
22 S. CHARLES ST.

## The Leibrandt & McDowell Stove Co.,

PHILADELPHIA  
OFFICE,  
123 N. SECOND ST.

BALTIMORE, Md. & PHILADELPHIA, Pa.,  
MANUFACTURERS OF

**COOK STOVES, RANGES, FURNACES, OPEN GRATES, BRICK-SET RANGES & HEATERS.**

Your special attention is called to our Celebrated FARMER GIRL COOK STOVE, VICTOR COOK RANGE, and PROMPT RANGE. When buying a cook stove the fact should be considered that the difference in the first cost of a first class stove, such as the celebrated Farmer Girl and the Victor Cook Range and the low price grade of stoves now on the market, is more than doubly compensated for by the length of time they will last and keep in good order. There are over 500,000 of these stoves now in daily use and not one but what is giving perfect satisfaction. The price at which they are sold places them within reach of every one in want of a first class stove. Try them and be convinced.

**Send for Price List and Catalogue.**

## DO YOU WISH TO SAVE MONEY?

If so, when you are in want of Heating or Cooking Stoves remember that

## ARMSTRONG & CO.,

Manufacture a

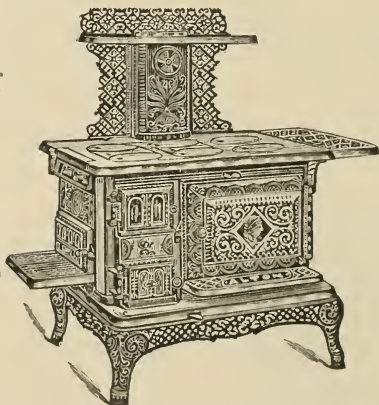
Superior Line of

Cook Stoves,

Parlor and Fireplace

**HEATERS**

**Furnaces.**



Carry a full and

complete line of

Vapor,

Gas,

and Oil

**STOVES**

AND

**RANGES.**

Which are sold at more reasonable prices, than by any other manufacturer in the city. Give us a call and be convinced.

**ARMSTRONG & CO.,**

No 24 S. CHARLES STREET,

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Established 1877.  
Mrs. M. R. DORRITTE,  
Sole Agent for the improved  
**REMINGTON.**  
All other makes in stock  
Weekly and Monthly pay-  
ments. Special discount to  
Country Buyers for cash.  
No. 242 S. BROADWAY,  
Formerly 1733 Bank St.  
BALTIMORE, MD.  
New Singers as low as \$18.

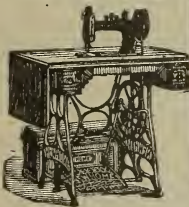
**THE LIGHT RUNNING**

**NEW HOME**

**SEWING MACHINE.**

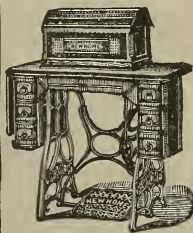
THE BEST ATTACHMENTS  
THE FINEST WOODWORK

**NEVER OUT OF ORDER.**



The  
Handsome  
Woodwork.

The  
Latest & Best  
Attachments.



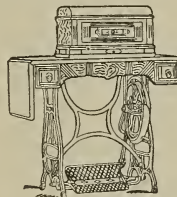
**EXAMINE THE NEW HOME.**

The NEW HOME SEWING MACHINE CO., Orange, Mass.  
28 UNION SQUARE, N. Y. BOSTON, MASS.  
CHICAGO, ILL. ST. LOUIS, MO. ATLANTA, GA.  
SAN FRANCISCO, CAL. DALLAS, TEX.

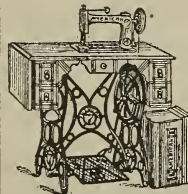
**C. F. FISKE,**  
225 W. Fayette St., Baltimore, Md



**\$19.**  
A First Class Machine.  
10 days trial,  
**Geo. Behm & Co.**  
Agents for Hall's Skirt forms.  
Sold at 50 cents per week,  
The Singer Oscillator and the Celebrated Singer.  
2000 stitches per minute.  
312 S. BROADWAY, BALTIMORE, MD.



**ACME**  
**\$20.**  
Strong Grade Machine. } 10 days trial.  
**THE W. S. FAUST**  
**MACHINE CO.**  
And Butterick Pattern Agency,  
224 S. BROADWAY, BALTIMORE, MD.



FOR 90 DAYS  
WE OFFER  
the following

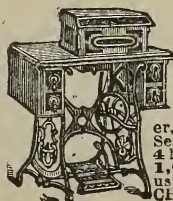
**SEWING MACHINES**  
**AT COST.**

Family Singer at \$15.00  
High Arm Liberty " \$18.00  
Improved Goodrich " \$25.00  
New No. 7 American " \$30.00  
Needles, Attachments and Repairs

For all kinds of Machines.

**KRAFT & SHARRER.**

304 N. Charles St.  
922 Pennsylvania Ave. } BALTIMORE.  
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**A \$65.00**  
**Sewing Machine!**  
**For \$18.00.**

Black Walnut Furniture Cover, Drop Leaf, 5 Drawers and Full Set of Attachments. **Warranted.**  
4 lb Tea or Family Scale, **\$1.00.**  
1,000 other Articles  $\frac{1}{4}$  to  $\frac{1}{2}$  usual prices. Send for Catalogue.  
CHICAGO SCALE CO., Chicago,

## TRAVELERS GUIDE.

SCHEDULE, (In effect May 22, 1892.)

### Baltimore and Ohio R. R.

Leave Camden Station.

For Chicago and Northwest, Vestibuled Limited Express daily 10:20 A. M., Express 7:15 P. M.

For Cincinnati, St. Louis and Indianapolis, Vestibuled Limited Express daily 2:30 P. M., Express 10:15 P. M.

For Pittsburg, Express daily 10:20 A. M., and 7:40 P. M.

For Cleveland, via Pittsburg, 10:20 A. M. and 7:40 P. M.

For Washington, week days, 5.00, x6.20, 6.25, x7.10, x7.20, x8.00, 8.35, x9.30, x10.20, (10.35, A. M., 12.00 P. M., 45 minutes,) 12.35, x2.10 x2.30, 2.50, (3.45, 45 minutes,) x4.15, 5.00, x6.00, 6.18, x6.50, x7.15, x7.40, x8.18, 9.05, x9.55, 10.15, and 11.30 P. M. Sundays, 6.25, x7.10, 8.35, x9.30, x10.20, (10.35 A. M., 12.00 P. M., 45 minutes,) 1.05, x2.10, x2.30, (2.45, 45 minutes,) 5.00, 6.18, x6.50, x7.15, x7.40, x8.18, 9.05, x9.55, x10.15 and 11.30 P. M.

For Annapolis, 7.20, 8.35 A. M., 12.15 and 4.15 P. M. On Sunday, 8.35 A. M. and 5.00 P. M.

For Frederick, 4.00, 8.10, A. M., 1.10, 4.20 and 5.30 P. M. On Sunday, 9.35 A. M. and 5.30 P. M.

For Virginia Midland Railroad and South via Danville, 9.30 A. M. and 8.18 P. M.

For Luray, Roanoke and all points in the South via N. and W. R. R., 7.10 A. M., 9.55 P. M. daily, Parlor car to Roanoke on morning train. Sleeping car to Memphis on night train from Washington. For Luray 2.30 P. M. daily.

For Lexington and points in the Virginia Valley, 4.00, 9.30 A. M. For Winchester, 4.20 P. M. Mixed train for Harrisonburg, 4.40 A. M.

For Hagerstown, 4.00, 9.30 A. M., 4.15 P. M.

For Mt. Airy and Way Stations, 4.00, 8.10, 9.35 A. M., 4.10, (4.20 stops at principal stations only,) 5.35, 6.30, 11.15 P. M.

For Ellicott City, 4.00, 6.32, 8.10, 9.35, 11.00 A. M., 4.10 11.35, 4.30, 4.40, 5.30, 6.30, 8.30, 11.15 P. M.

For Curtis Bay, week-days 6.30, 10.10 A. M., 3.30 P. M. Saturdays only 11.05, P. M. Sundays, 8.10, 10.10, A. M., 2.00 P. M. Leave Curtis Bay, week-days 7.55, 11.30 A. M., 5.50 P. M. Saturdays only 11.45 P. M. Sundays, 9.00, 11.00, A. M., 7.10 P. M.

Trains arrive from Chicago, Columbus and the Northwest, daily, 1.00 and 6.00 P. M.; from Pittsburg and Cleveland, 9.00, A. M., 6 P. M.; from Cincinnati, St. Louis and the West, 6.30 A. M., 3.15 P. M., daily.

### Royal Blue Line for New York and Philadelphia.

For New York, Boston and the East, daily, 7.00, 8.50, (10:48 Dining Car) A. M., 12.55, 3.40, (5.55 Dining Car) P. M.; (12.50 night, Sleep Car attached, open for passengers 10.00 P. M.) Through Pullman Sleeper to Boston via Poughkeepsie Bridge on the 3.40 P. M. train daily.

For Atlantic City, 10.18 A. M., 12.55 P. M. Sundays 12.55 P. M.

For Philadelphia, Newark, Wilmington and Chester, daily, 7.00, 8.50, (10.48 stopping at Wilmington only,) A. M., 12.55, 3.40, 5.55, 8.55 P. M., 12.50 night + Except Sunday. \$Sunday only. \*Daily. x Express train.

Baggage called for and checked from hotels and residences by Union Transfer Company on orders left at Ticket Offices:

N. W. Cor. CALVERT AND BALTIMORE STS., 230 South Broadway or Camden Station.

J. T. O'DELL. CHAS. O. SCULL.

Gen. Manager. Gen. Passenger Agent.

(In effect Sunday October 2, 1892)

### Western Maryland Railroad.

Leave Hillen Station as follows:

#### DAILY.

4.30 A. M.—Fast mail for Norfolk and Western R. R. and Southern and Southwestern points; also, Glyndon, Westminster, New Windsor, Union Bridge, Mechanicstown, Blue Ridge, Highfield, Edgemont, Hagerstown and except Sunday, Williamsport, Clear Spring and Cherry Run, W. Va., Chambersburg, Waynesboro, points on B. and C. V. R. R.—Martinsburg, W. Va., and Winchester, Va.

#### DAILY EXCEPT SUNDAY.

7.21 A. M.—Accommodation for Hanover and Gettysburg, Pa., and all points on B. and H. Division and Main Line East of Emory Grove; also, Carlisle and Gettysburg and Harrisburg R. R.

8.00 A. M.—Mail for Williamsport, Cherry Run, W. Va., Clear Spring, Hagerstown, Shippensburg and points on Main Line and B. and C. V. R. R.; also, Frederick and Emmitsburg, and points on N. and W. R. R. to Shenandoah.

10.05 A. M.—Accommodation for Union Bridge and Hanover, Pa., with connection at Hanover for New Oxford, Gettysburg, Mt. Holly Springs and Carlisle.

2.25 P. M.—Accommodation for Emory Grove.

3.20 P. M.—Express for Arlington, Howardville, Owings Mills Glyndon and all points on B. & H. Division, Mt. Holly Springs, Carlisle and points on Gettysburg & Harrisburg R. R.

4.05 P. M.—Express for Arlington, Mt. Hope, Pikesville, Green Spring Junction, Owings Mills, Glyndon, Glen Falls, Finksburg, Patapsco, Carrollton, Tannery, Westminster, Avondale, Medford, New Windsor and Main Line Stations West, including Clear Spring, Md., and Cherry Run, W. Va., also, Emmitsburg, B. & C. V. R. R., Norfolk & Western R. R. and points South.

5.15 P. M.—Frederick Express, for Arlington, Mt. Hope, Howardville, Sudbrook Park, Pikesville, Mt. Wilson, McDonough, G. S. Junction, Owings Mills, St. Georges, Glyndon, Glen Falls, Finksburg, Tannery, Westminster, Medford, New Windsor and stations thence to Frederick.

6.12 P. M.—Accommodation for Union Bridge.

8.46 P. M.—Accommodation for Emory Grove.

11.35 P. M.—Accommodation for Emory Grove.

#### SUNDAYS.

9.30 A. M.—Accommodation for Union Bridge and Hanover.

2.30 P. M.—Accommodation for Union Bridge.

4.00 P. M.—Accommodation for Emory Grove.

10.05 P. M.—Accommodation for Emory Grove.

#### TRAINS ARRIVE AT HILLEN STATION.

Daily—7.10 P. M.—Daily (except Sunday) 6.50, 7.46, 8.40, 9.40, 10.31 and 11.47 A. M., and 2.40, 5.10, 5.53 and 6.52, P. M.

Sundays only—9.10, 10.20 A. M., and 6.15, 9.05 P. M.

Ticket and Baggage Office, 205 East Baltimore St.

All trains stop at Union Station, Pennsylvania Avenue and Fulton Stations.

B. H. GRISWOLD, Gen'l Passenger Agent.

J. M. HOOD, General Manager.



## TRAVELERS GUIDE.

Fall and Winter time-table.  
In effect Monday September 19th. 1892.

### Balto. and Eastern Shore R. R.

(Read Down.)		(Read Up.)	
P.M.	A.M.	A.M.	P.M.
4.30		Baltimore.....	12.30
8.00	7.00	Claiborne.....	9.00 5.45
F8.06	F7.05	McDaniel.....	F8.56 E5.40
F8.08	F7.10	Harper.....	F8.52 E5.35
8.15	7.30	St. Michael's....	8.48 5.30
F8.19	F7.34	Riverside.....	F8.39 E5.17
F8.25	7.4	Royal Oak.....	F8.35 5.12
F8.30	F7.46	Kirkham.....	F8.30 E5.02
F8.36	F7.53	Bloomfield.....	F8.25 F4.54
8.45	8.20	Easton.....	8.20 4.45
		Turner's.....	
F9.00	F8.40	Bethlehem.....	F8.03 F4.20
F9.09	8.56	Preston.....	F7.57 4.10
F9.14	F9.05	Ellwood.....	F7.50 F4.00
9.23	9.20	Hurlock.....	7.44 3.50
F9.27	F9.27	Ennalls.....	F7.37 F3.40
F9.31	F9.35	Rhodesdale.....	F7.34 F3.35
F9.43	9.55	Vienna.....	F7.22 3.15
F9.51	10.08	Barren C. Sp'ngs	F7.12 3.00
F10.00	F10.18	Hebron.....	F7.02 F2.47
F10.05	F10.25	Rock-a-Walkin,	F6.57 F2.40
10.15	3.00	Salisbury.....	6.50 2.30
F10.23	F3.10	Walston's.....	k6.36 F10.05
F10.28	F3.25	Parsonsborg....	k6.32 9.58
F10.35	3.40	Pittsville.....	k6.26 9.35
F10.43	F3.50	New Hope.....	6.16 F9.00
F10.47	4.00	Whaleyville.....	6.12 8.51
F10.53	F4.07	St. Martin's....	k6.05 F8.36
11.00	4.30	Berlin.....	6.00 8.30
11.15	4.45	Ocean City.....	5.45 8.00
P.M.	P.M.	A.M.	P.M.

F Stops on Flag to receive or discharge  
Passengers or Freight.

K Stops on Flag to receive or discharge  
Passengers for Regular Stops, or Baltimore

Leave Daily except Sunday.

**WILLARD THOMSON. A. J. BENJAMIN**  
Receiver & Gen. Man. Gen. Pass. Agt.

In effect Sunday. October 9, 1892.

### Baltimore & Lehigh R. R. Co.

North Ave., Station. Daily, Except Sunday

ARRIVE.		LEAVE.	
8.00 A. M. from Belair.		7.30 A. M. for York.	
9.30 A. M. from Delta.		9.25 A. M. for Belair.	
11.50 A. M. from York.		2.30 P. M. for Loch	
1.45 P. M. from Belair.		Raven.	
3.50 P. M. from Loch		3.45 P. M. for York.	
Raven.		5.00 P. M. for Delta.	
6.00 P. M. from York.		6.30 P. M. for Belair.	

#### SUNDAY TRAINS.

ARRIVE.		LEAVE.	
9.00 A. M. from Delta.		9.30 A. M. for Delta.	
10.30 A. M. from Belair		1.30 P. M. for Belair.	
6.00 P. M. from Delta.		4.00 P. M. for Delta.	
10.00 P. M. from Belair.		6.30 P. M. for Belair.	

W. R. CRUMPTON, General Manager.

### Annapolis and Baltimore Short Line R. R.

Leave Camdem Station—Week Days:

7:15 a. m., for Annapolis and Way Stations.

8:50 a. m., for Annapolis and Way Stations.

1:15 P. M., for Annapolis and Way Stations.

5:50 p. m., for Annapolis and Way Stations.

Sundays.

8:50 a. m., for Annapolis and Way Stations.

4:50 a. m., for Annapolis and Way Stations.

Trains leave Annapolis. 6:45, 8:55, 12:00 a. m., and

3:40 p. m. Week Days, and 8:55 a. m., and 3:40 p. m.  
on Sundays.

C. A. COOMBS, Managing Director.

MORTON SAFETY HEATING CO.

### STORED HEAT

In Earthenware Tubes.

For Steam Railways & Street Cars.

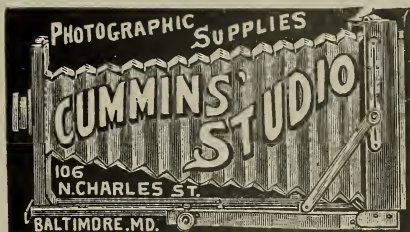
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New York Office:

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pluck and push. Stock complete; steady work;  
pay weekly. Elegant outfit free. Experience  
unnecessary. Address,

E. H. DE FOREST & CO.,  
Nurserymen, Rochester, N. Y





Dr. J. DONALDSON FORD,  
**DENTIST.**

809 N. GILMOR STREET.

Teeth Extracted Without Pain by a NEW and PERFECTLY HARMLESS PROCESS, Suitable for Delicate Ladies and Children.

Artificial Teeth Inserted with or without Plates. CROWN & BRIDGE WORK A SPECIALTY.

**GOLD, AMALGAM, (SILVER) AND PORCELAIN FILLINGS.**

CONSCIENTIOUS WORK AND MODERATE CHARGES.

FRESH GAS DAILY.

ESTABLISHED 1862.

**N. J. APPLEGARTH & Co.,**

Receivers and Shippers of

**HAY,**

WHITE CHOP,  
YELLOW CHOP,  
OAT CHOP

CORN MEAL,

LINSEED MEAL,

COTTON SEED MEAL.

**CORN,**

**OATS.**

MILL FEEDS, AXLE GREASES, SCREENINGS.

N. J. APPLEGARTH & Co.,

127 Cheapside, Baltimore, Md.

**ROCK HILL COLLEGE,**

ELLICOTT CITY, MD.

Conducted by the Brothers of the  
Christian Schools.

Classical, Scientific and Commercial Courses.

Respectable young men and boys  
received as boarders.

Send for prospectus.

BROTHER DENIS, President.

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**MARYLAND**

**1892**

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OPENS 21st Sept., 1892. Situation unexceptionally healthy. 8 miles from Washington, on the B. & O. R. R. Full Agricultural, Scientific, Classical, Business and Military Courses. Full Corps of Professors. Terms, \$140, includes Books, Tuition, Board, Washing, Room rent and heat. Preparatory Department in charge of experienced instructors. Full particulars. Address,  
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College Park, Md.